S6-70-1

Ohio Labor Market Information

Labor Market Review

1989 Annual Averages

In This Publication. To reflect changes in the Standard Industrial Classification system, all nonagricultural wage and salary employment statistics for Ohio and its thirteen metropolitan areas have been revised back through 1979. Annual averages, by industry, for the years 1979-1989 and monthly data for 1988 and 1989 are reported in this publication. Hours and earnings data have been revised for 1988 and 1989 for Ohio and the eight largest metropolitan areas. Hours and earnings data for the five minor metropolitan areas are not available for years prior to 1989. (For effects of the 1987 SIC revision on statewide employment data, see pages 5 and 6.)

Summary. Ohio nonagricultural wage and salary payrolls gained nearly 117,000 jobs in 1989, a growth rate of 2.5 percent over the year. Growth in employment has been very steady over the last six years, the rates ranging from a high 4.1 percent in 1984 to a low 2.3 percent in 1986. An increase of 724,600 jobs during that six-year period followed a four-year decline from 1979 through 1983 affecting 392,200 jobs. The decline during the last recession was concentrated in manufacturing, especially in durable goods. Significant losses were also reported in construction, transportation and public utilities, and retail trade. The most important increases during the 1983-1989 period occurred in services and retail trade. Employment levels also rose in construction, manufacturing, government, finance, insurance, and real estate, wholesale trade, and transportation and public utilities. Employment in the mining division continued to decline during this period. Over the ten-year period, only manufacturing, transportation and public utilities, and mining failed to recover fully. All other divisions were above their 1979 employment levels. (See table, page 22.)

During the current year, 1989, 116,500 jobs were added to Ohio nonagricultural wage and salary employment payrolls. Increases in service-producing industries accounted for 83.9 percent of the

Ohio Employment Changes, 1988-1989

Industry	1989 Employment (in thousands)	Employment Change 1988-1989	Percent Change 1988-1989
Total	4,817.2	116.5	2.5
Goods-Producing Industries	1,333.9	18.7	1.4
Mining	17.8	-1.1	-5.6
Construction	193.1	7.5	4.0
Manufacturing	1,123.0	12.3	1.1
Durable Goods	753.2	5.9	.8
Nondurable Goods	369.8	6.4	1.8
Service-Producing Industries	3,483.3	97.8	2.9
Transportation and Public Utilities	215.9	3.8	1.8
Wholesale Trade	264.0	7.6	3.0
Retail Trade	904.2	26.8	3.1
Finance, Insurance, and Real Estate	252.6	3.6	1.5
Services	1,140.8	44.0	4.0
Government	705.7	11.9	1.7

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

improvement. Forty-four thousand jobs were added in services; 26,800 in retail trade. Payroll employment was also augmented in government, wholesale trade, transportation and public utilities, and finance, insurance, and real estate. Among goods-producing industries, most of the increase was reported in manufacturing, up 12,300 jobs over the year; construction rose 7,500. Employment in mining declined 1,100.

Total Employment. According to the household survey conducted by the U.S. Bureau of the Census, annual average total employment in Ohio increased 116,000 or 2.3 percent over the year to 5,118,000 in 1989. U.S. employment advanced 2.1 percent in 1989.

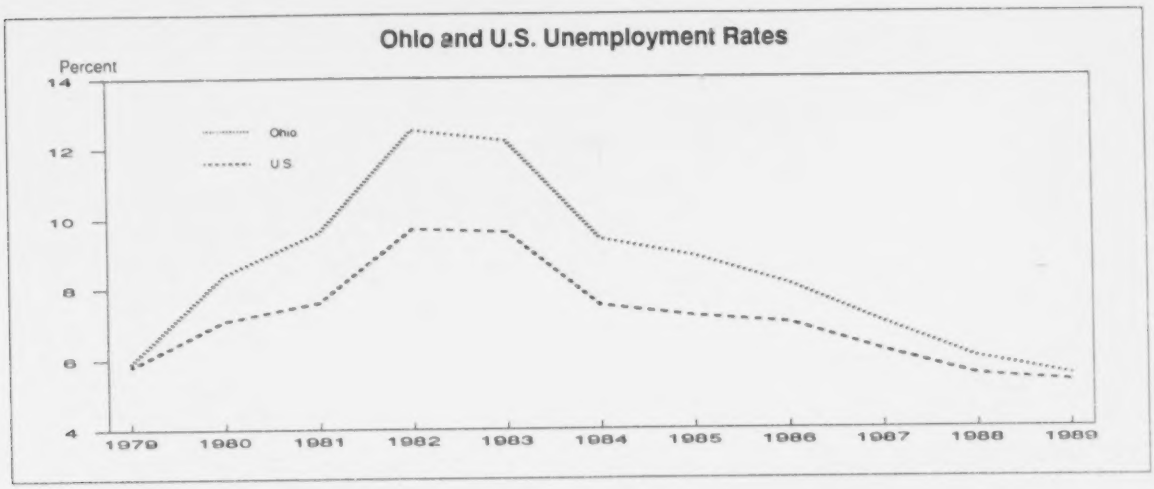
Civilian Labor Force Estimates for Ohio and the U.S.
(Employed and Unemployed in Thousands)

Ohio				Year	United States			
Civilian Labor Force					Civilian Labor Force			
	Employment					Employment		
		Unemployment					Unemployment	
		Total	Rate				Total	Rate
5,059	4,760	299	5.9	1979	104,962	98,824	6,137	5.8
5,089	4,663	426	8.4	1980	106,940	99,303	7,637	7.1
5,100	4,608	492	9.6	1981	108,670	100,397	8,273	7.6
5,114	4,474	640	12.5	1982	110,204	99,526	10,678	9.7
5,099	4,478	621	12.2	1983	111,550	100,834	10,717	9.6
5,089	4,609	480	9.4	1984	113,544	105,005	8,539	7.5
5,135	4,680	455	8.9	1985	115,461	107,150	8,312	7.2
5,232	4,806	425	8.1	1986	117,834	109,597	8,237	7.0
5,253	4,886	367	7.0	1987	119,865	112,440	7,425	6.2
5,322	5,002	320	6.0	1988	121,669	114,968	6,701	5.5
5,419	5,118	300	5.5	1989	123,869	117,342	6,528	5.3

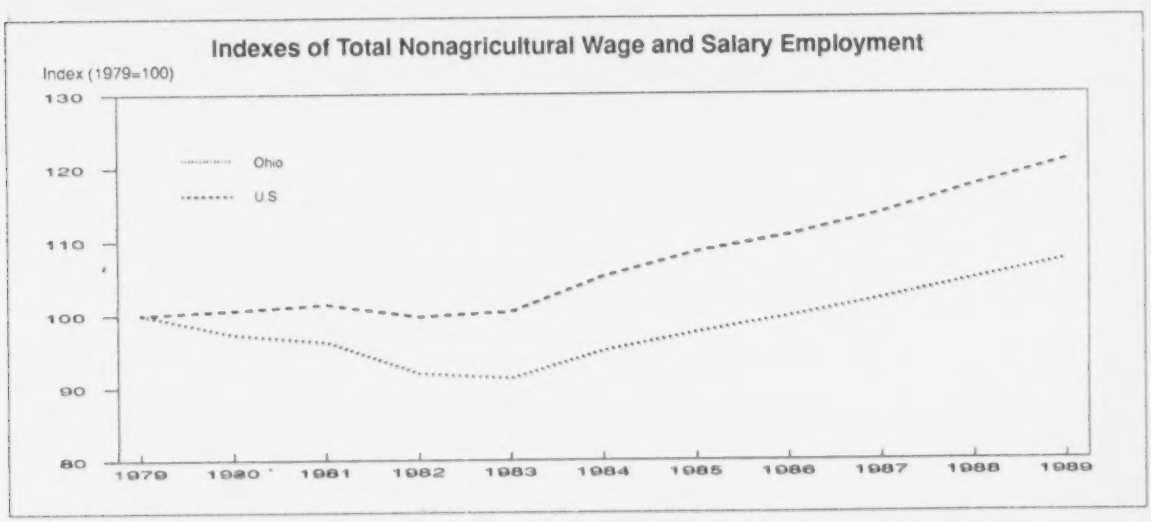
Table of Contents

Ohio Summary 1
Seasonally Adjusted Nonagricultural Wage & Salary Employment
Data & Graphs, 1980-1989 7
Nonagricultural Wage and Salary Employment Graph 21
Nonagricultural Wage and Salary Employment Since 1939 22
Nonagricultural Wage and Salary Employment and Hours and Earnings Tables 25
Metropolitan Area Statistics
Akron PMSA 48
Canton MSA 62
Cincinnati PMSA 74
Cleveland PMSA 88
Columbus MSA 104
Dayton-Springfield MSA 118
Toledo MSA 132
Youngstown-Warren MSA 146
Hamilton-Middletown PMSA 158
Lima MSA 166
Lorain-Elyria PMSA 174
Mansfield MSA 182
Steubenville-Weirton MSA 190
Technical Notes 198

Unemployment. The number of people unemployed in the State averaged 300,000 in 1989, down 20,000 from 1988. The unemployment rate, at 5.5 percent, was at its lowest level since 1978. The U.S. rate declined from 5.5 percent in 1988 to 5.3 percent in 1989.



Nonagricultural Wage and Salary Employment. Nonfarm payroll employment averaged 4,817,200 in 1989, 116,500 jobs or 2.5 percent above the level for 1988. Expansion in service-producing industries accounted for 83.9 percent of the change. Improvements were greatest in services, especially business and health services, and in retail trade, particularly eating and drinking places, general merchandise stores, and miscellaneous retail stores. Employment levels also increased in goods-producing industries, except mining. Manufacturing employment rose 12,300 over the year, to 1,123,000, with noteworthy increases in industrial machinery and equipment and in rubber and miscellaneous plastics products. Construction jobs expanded 7,500 over the year.



Growth Industries. In 1989, Ohio's most rapidly growing industries included apparel and accessory stores at a rate of 8.0 percent, business services at 7.3 percent, and special trade contractors at 5.7 percent. (See table, page 4.) Social services, general merchandise stores, engineering and management services, miscellaneous retail trade, furniture and home furnishings stores, legal services, hotels and other lodging places, personal services, and real estate also contributed significantly to the growth in the number of jobs in Ohio in 1989.

Employment Gains and Losses
Ohio and U.S., 1988-1989

Industry	1989 Ohio Employment (in thous.)	1988-1989 Percent Change	
		Ohio	U.S.*
Most Rapidly Growing Industries			
Apparel and Accessory Stores	48.4	8.0	7.6
Business Services	203.5	7.3	INA
Special Trade Contractors	123.2	5.7	INA
Social Services	72.5	4.7	9.4
General Merchandise Stores	125.4	4.6	-2.2
Engineering and Management Services	85.4	4.6	INA
Miscellaneous Retail	115.0	4.3	INA
Furniture and Homefurnishings Stores	31.8	4.2	-1.7
Legal Services	28.5	3.9	8.4
Hotels and Other Lodging Places	38.2	3.7	.9
Personal Services	53.7	3.7	INA
Real Estate	42.0	3.5	4.6
Declining Industries			
Oil and Gas Extraction	5.7	-11.0	-3.3
Coal Mining	7.3	-5.6	-8.3
Educational Services	61.0	-.9	9.2
Stone, Clay, and Glass Products	45.7	-.8	INA
Transportation Equipment	141.8	-.7	INA
Electronic and Other Electric Equipment	79.5	-.6	INA
Total, All Industries	4,817.2	2.5	2.4
Goods-Producing Industries	1,333.9	1.4	.3
Service-Producing Industries	3,483.3	2.9	3.1

* U.S. data based on 1972 SIC.
INA = Information not available

Declining Industries. Oil and gas extraction and coal mining lead the list of declining industries in the State. Smaller declines were reported in educational services, stone, clay, and glass products, transportation equipment, and electronic and other electric equipment.

Conclusion. The Ohio economy continued to expand in 1989. Most jobs were created in services and retail trade, but important increases were also reported in manufacturing, both durable and nondurable goods; government, especially local schools; wholesale trade; and construction. Total employment rose to a record high in 1989 and the unemployment rate dropped to its lowest level since 1978.

Effects of 1987 SIC Revison

Ohio Nonagricultural Wage and Salary statistics are affected by these important changes:

- The U.S. Office of Budget and Management has revised the *Standard Industrial Classification Manual* to better reflect industry composition in the economy.
- Methodologies have been changed to provide more estimates for service-producing industries but fewer for manufacturing.

Effects of SIC Code Changes:

- At the division level, two minor changes occurred. Wholesale trade, retail trade, finance, insurance, and real estate, and services were affected. Firms were recoded from miscellaneous retail trade, specifically those engaged in the sale of used motor vehicle parts, to wholesale trade-durable goods. Firms were also recoded from Major Group 66, combinations of real estate, insurance, loans, and law offices in Finance, Insurance, and Real Estate, to Major Group 81, Legal Services, in the Services Division.
- At the two-digit classification level, twenty-six industries in Ohio were affected. The greatest changes resulted from the creation of one new industry and the redefinition of another. SIC 87, Engineering and Management Services, was created from part of SIC 89, Miscellaneous Services, and part of SIC 73, Business Services. January 1990 employment in this new industry is 85,500. There were other shifts of smaller magnitude within Services.
- In the Banking industry, SIC 60 was redefined to include savings and loan institutions, formerly SIC 61, in addition to full-service banks. This two-digit SIC industry has a new title, Depository Institutions, and is nearly 40 percent larger than the old SIC 60.
- In Manufacturing, the greatest change due to SIC recoding was a reduction in SIC 36, renamed Electronic and Other Electric Equipment. The receiving industry, SIC 35, was renamed Industrial Machinery and Equipment.

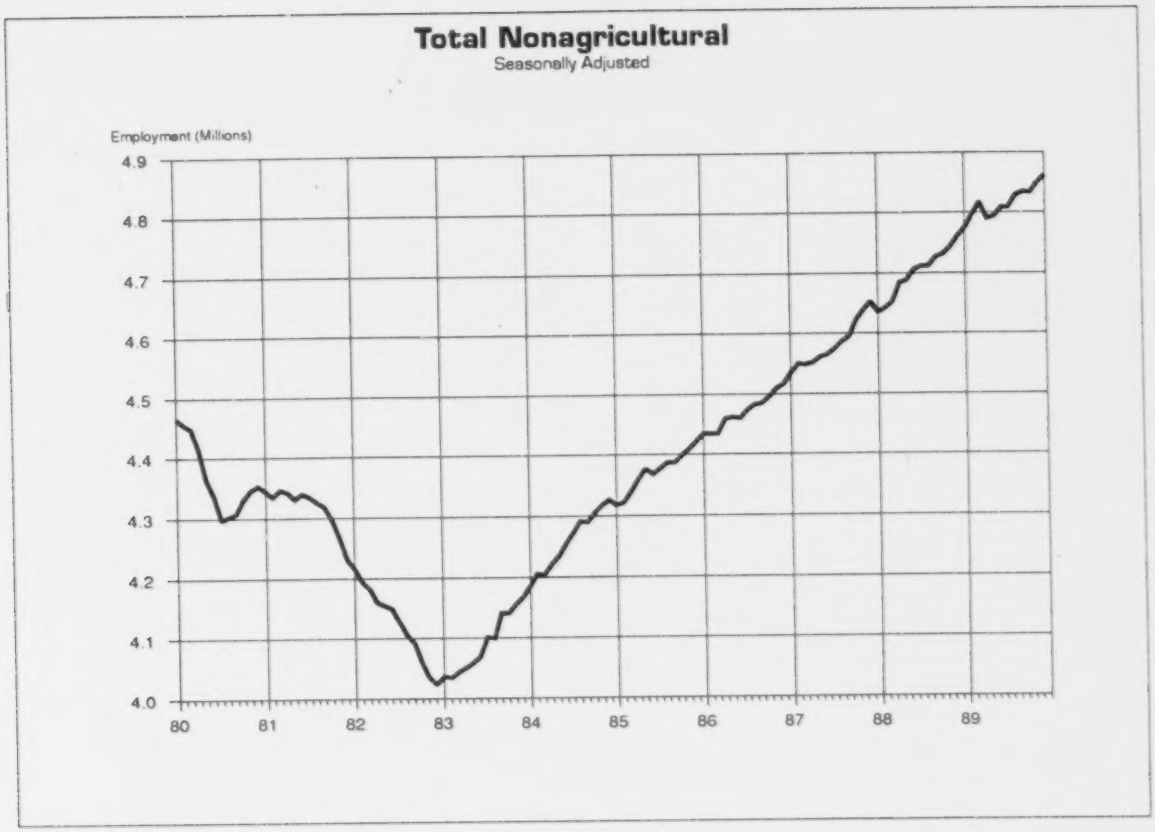
Significant two-digit SIC changes in employment due to recoding are reported in the table on the next page.

Effects of Changes in Methodology:

- Historic series have been recalculated through 1979 to minimize the impact of changes on data users. Published detail has been greatly expanded, especially in the retail trade and services sectors. More detail is also available in construction, transportation and public utilities, finance, insurance, and real estate, and government. The number of published lines in the manufacturing sector has been reduced.

Net Effects of 1987 SIC Revision

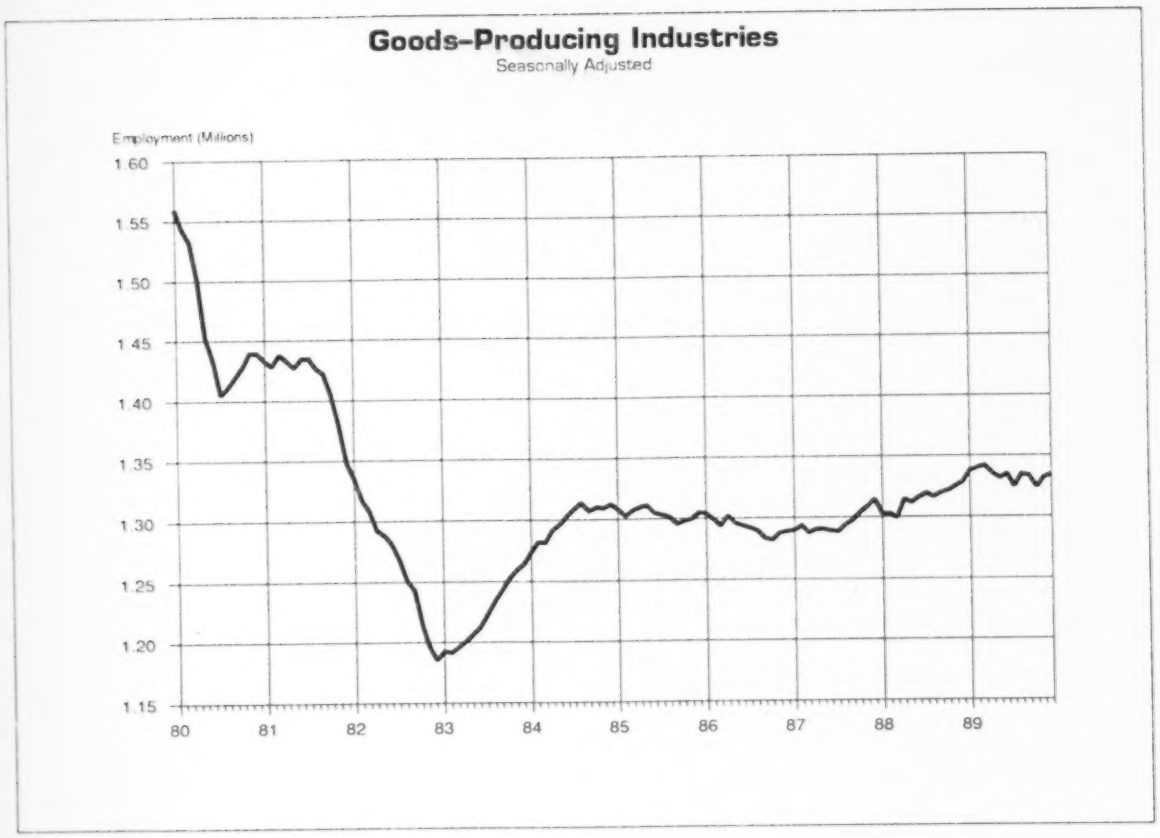
Industry	SIC	Net March 1988 Employment Change From1972 SIC	SIC Origin / Destination
Construction	16	- 500	To 17
	17	+ 500	From 16
Manufacturing	24	+ 800	From 26, 34
	30	+ 1,800	From 32, 35; To 34
	32	- 1,900	To 30
	35	+ 4,900	From 36; To 30
	36	- 6,600	To 35, 38
	37	- 600	To 34
	38	+ 1,600	From 36
Wholesale Trade	50	+ 1,400	To 50
Retail Trade	59	- 1,400	To 50
Finance, Insurance, and Real Estate	60	+ 24,900	From 61
	61	- 24,900	To 60
Services	72	- 5,000	To 73, 79
	73	- 34,300	From 72; To 78, 87
	78	+ 3,800	From 73
	79	+ 4,000	From 72; To 84
	87	+ 79,500	From 73, 89
	89	- 48,000	To 87



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Total Nonagricultural

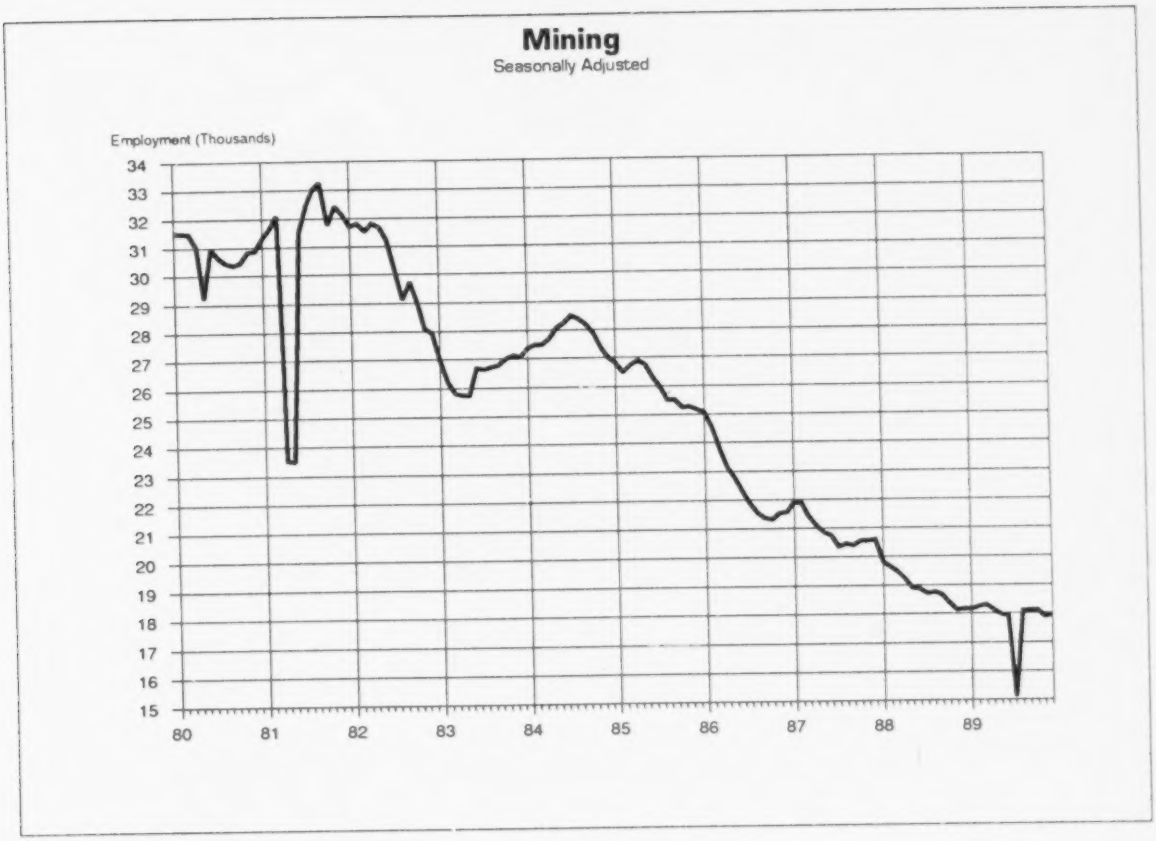
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	4,466	4,456	4,449	4,413	4,364	4,337	4,297	4,303	4,307	4,331	4,346	4,353
1981	4,345	4,336	4,347	4,343	4,332	4,340	4,334	4,326	4,319	4,299	4,267	4,231
1982	4,216	4,194	4,182	4,160	4,155	4,149	4,127	4,106	4,091	4,059	4,036	4,023
1983	4,037	4,035	4,045	4,051	4,059	4,069	4,101	4,100	4,141	4,141	4,156	4,167
1984	4,185	4,205	4,204	4,222	4,236	4,254	4,271	4,292	4,291	4,306	4,319	4,326
1985	4,319	4,322	4,340	4,361	4,377	4,368	4,378	4,387	4,387	4,398	4,410	4,422
1986	4,435	4,435	4,434	4,459	4,462	4,460	4,474	4,484	4,485	4,495	4,509	4,518
1987	4,535	4,550	4,550	4,552	4,561	4,566	4,575	4,588	4,595	4,623	4,638	4,654
1988	4,636	4,643	4,652	4,684	4,689	4,707	4,713	4,713	4,727	4,732	4,745	4,761
1989	4,775	4,796	4,817	4,791	4,795	4,809	4,809	4,828	4,835	4,834	4,850	4,862



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Goods-Producing Industries

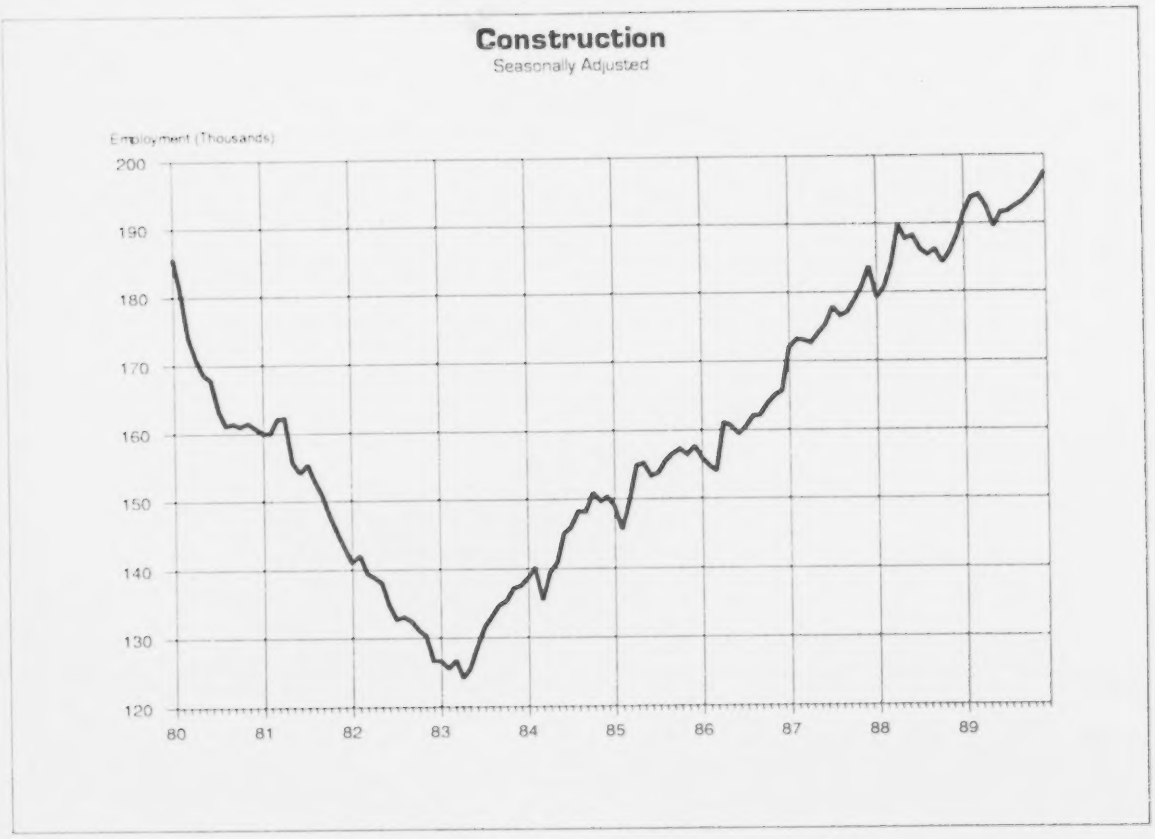
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	1,560	1,543	1,532	1,499	1,453	1,433	1,405	1,411	1,420	1,427	1,439	1,439
1981	1,433	1,428	1,438	1,433	1,427	1,434	1,435	1,426	1,423	1,404	1,380	1,348
1982	1,336	1,318	1,308	1,293	1,288	1,281	1,268	1,252	1,243	1,215	1,197	1,185
1983	1,193	1,192	1,196	1,201	1,206	1,213	1,223	1,234	1,243	1,252	1,260	1,264
1984	1,273	1,282	1,282	1,292	1,296	1,303	1,309	1,314	1,307	1,310	1,310	1,313
1985	1,309	1,303	1,307	1,310	1,311	1,305	1,303	1,301	1,296	1,298	1,300	1,305
1986	1,304	1,299	1,294	1,302	1,296	1,294	1,292	1,290	1,283	1,282	1,288	1,289
1987	1,290	1,294	1,288	1,291	1,291	1,289	1,288	1,294	1,298	1,304	1,308	1,315
1988	1,303	1,303	1,300	1,314	1,312	1,316	1,319	1,317	1,320	1,322	1,325	1,329
1989	1,338	1,340	1,342	1,336	1,332	1,335	1,325	1,335	1,334	1,324	1,332	1,334



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Mining

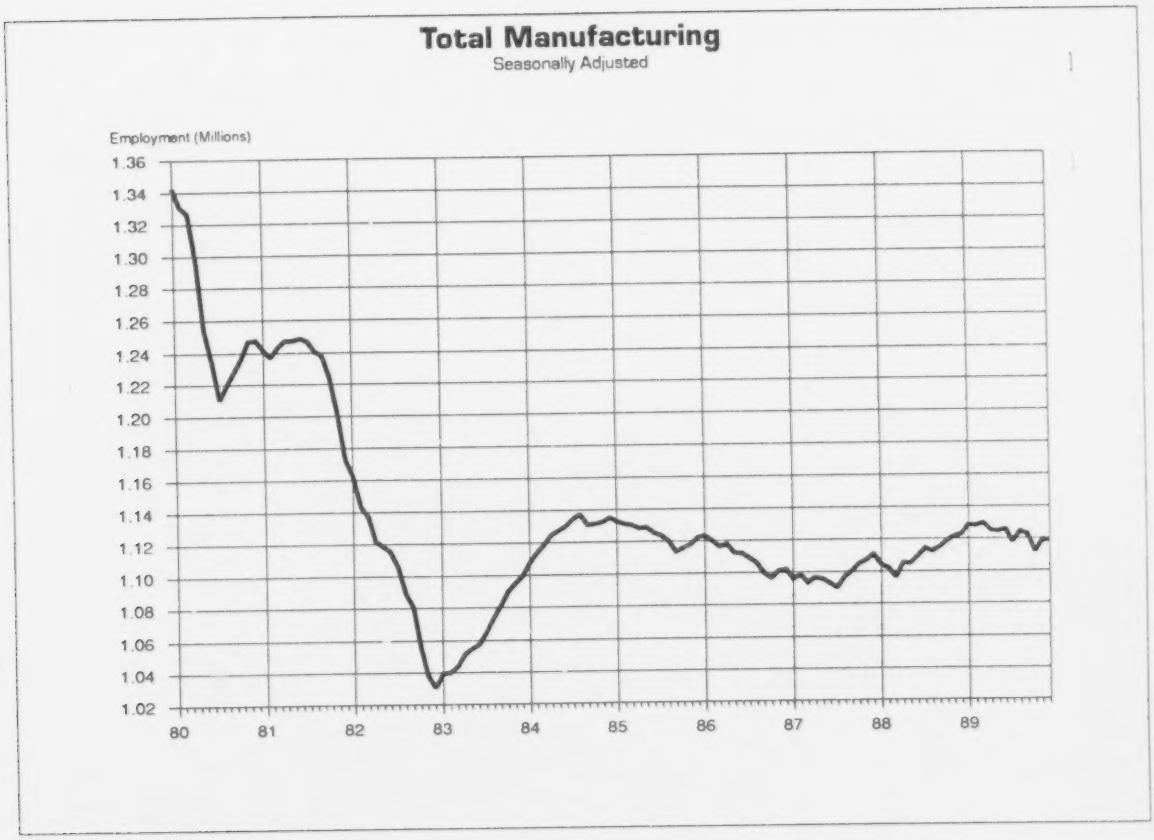
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	32	32	32	31	29	31	31	30	30	30	31	31
1981	31	32	32	24	24	32	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	27	27	28	28	28	28	28	28	28	27	27
1985	27	26	27	27	27	26	26	26	26	25	25	25
1986	25	25	24	23	23	22	22	22	21	21	22	22
1987	22	22	21	21	21	21	20	20	20	21	21	21
1988	20	20	19	19	19	19	19	19	19	18	18	18
1989	18	18	18	18	18	18	15	18	18	18	18	18



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Construction

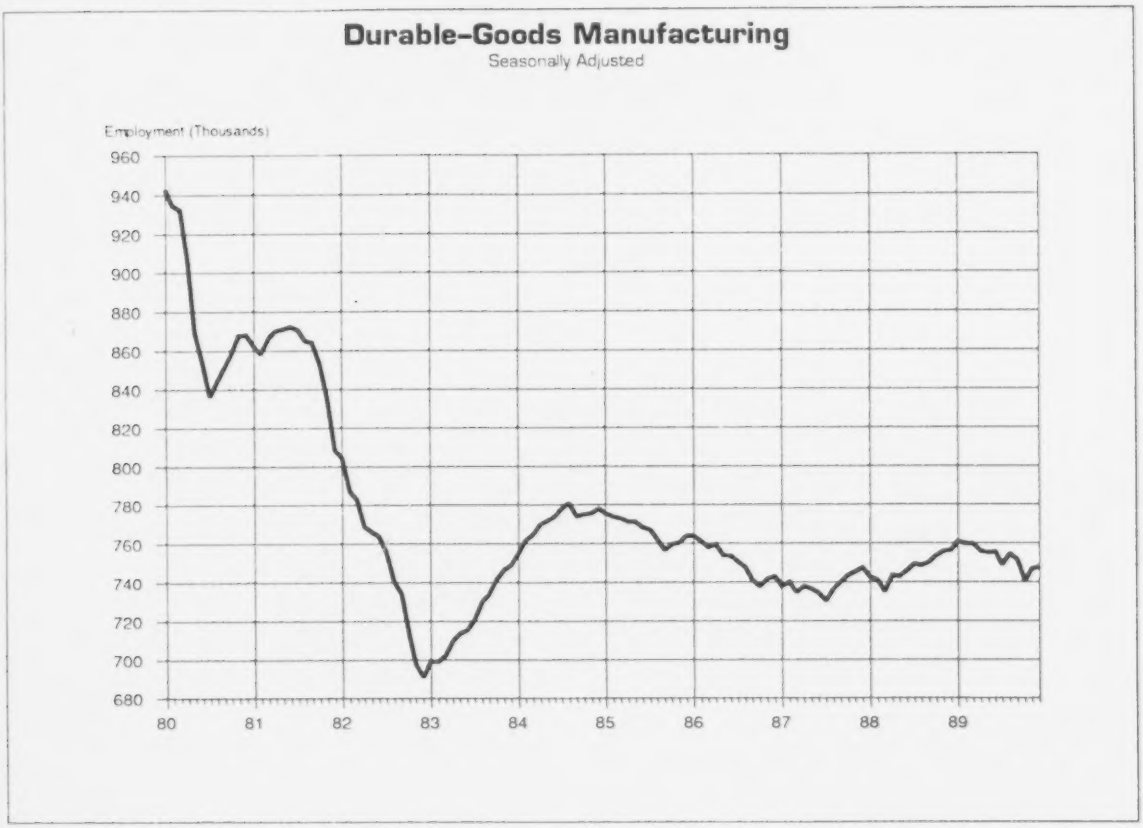
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	186	181	174	171	169	168	163	161	161	161	162	161
1981	160	160	162	162	156	154	155	153	151	148	145	143
1982	141	142	139	139	138	135	133	133	132	131	130	127
1983	127	126	127	124	126	129	132	133	135	135	137	137
1984	139	140	135	139	141	145	146	148	148	151	150	150
1985	149	146	150	155	155	153	154	156	157	157	156	158
1986	156	155	154	161	161	159	160	162	162	164	165	166
1987	172	173	173	173	174	175	178	177	177	179	181	184
1988	179	181	184	190	188	188	186	186	186	184	186	188
1989	191	194	194	193	190	192	192	193	193	194	196	197



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Total Manufacturing

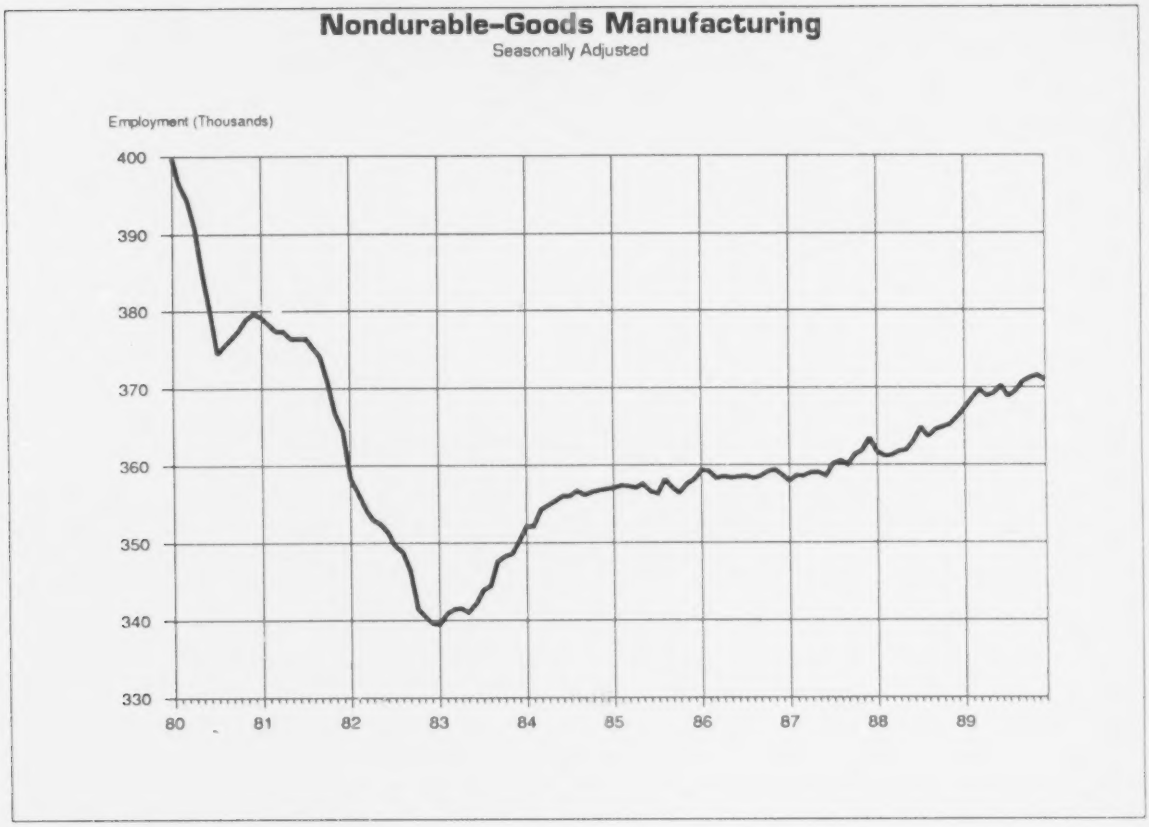
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	1,342	1,330	1,327	1,297	1,255	1,235	1,211	1,219	1,228	1,236	1,247	1,248
1981	1,242	1,237	1,244	1,247	1,247	1,249	1,247	1,240	1,238	1,225	1,202	1,173
1982	1,163	1,144	1,137	1,122	1,119	1,115	1,106	1,090	1,081	1,055	1,038	1,031
1983	1,039	1,040	1,044	1,051	1,055	1,058	1,065	1,074	1,082	1,090	1,095	1,099
1984	1,107	1,114	1,119	1,125	1,127	1,130	1,134	1,138	1,131	1,131	1,132	1,135
1985	1,133	1,131	1,130	1,128	1,129	1,125	1,124	1,120	1,114	1,116	1,118	1,122
1986	1,123	1,120	1,116	1,118	1,113	1,112	1,109	1,106	1,100	1,097	1,101	1,102
1987	1,096	1,099	1,094	1,097	1,096	1,093	1,090	1,097	1,100	1,105	1,107	1,111
1988	1,104	1,102	1,096	1,105	1,105	1,109	1,114	1,112	1,115	1,119	1,121	1,123
1989	1,128	1,128	1,130	1,125	1,125	1,126	1,118	1,124	1,122	1,112	1,119	1,119



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Durable-Goods Manufacturing

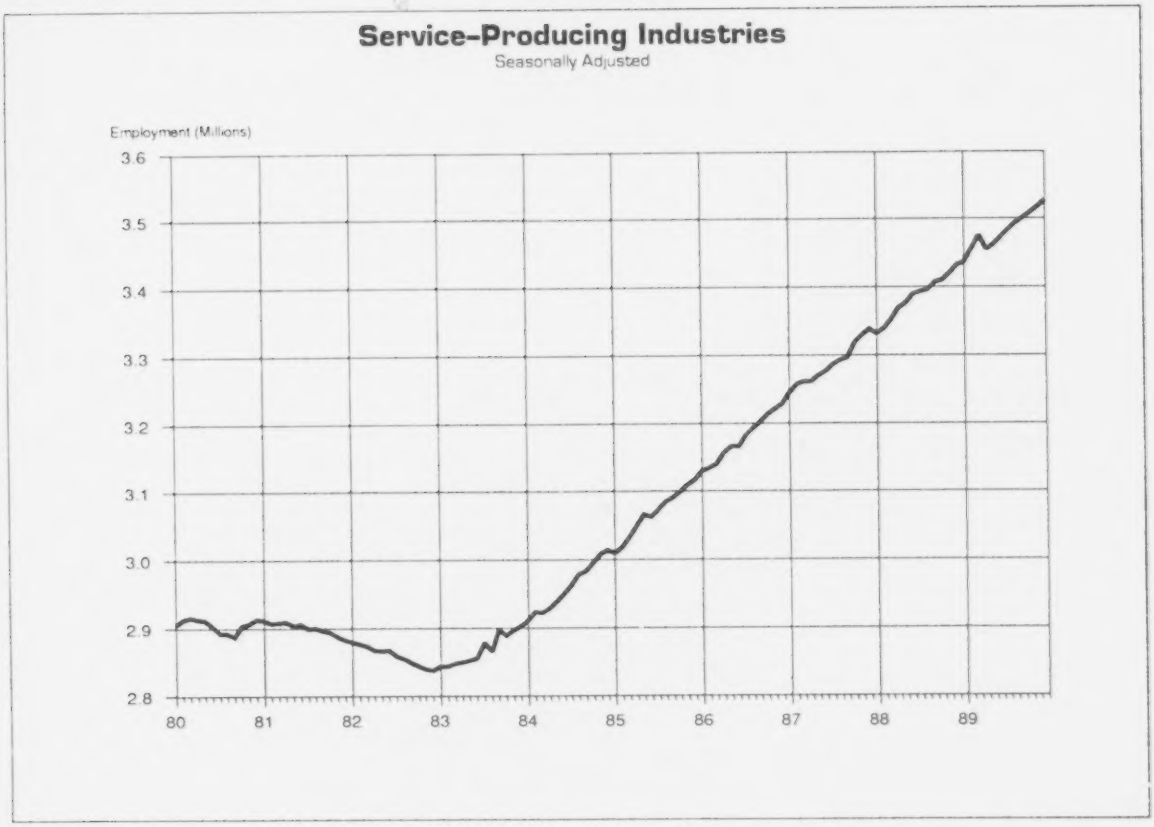
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	943	934	932	906	869	854	836	844	851	858	868	868
1981	862	858	866	870	871	872	871	865	864	854	835	808
1982	805	787	783	769	766	764	756	741	734	713	698	691
1983	700	699	702	710	714	715	721	730	734	742	747	749
1984	755	762	764	770	772	774	778	781	774	775	776	778
1985	776	774	773	771	771	769	767	762	757	760	760	764
1986	764	761	758	759	754	754	751	748	741	738	742	743
1987	738	740	735	738	737	735	730	737	740	743	745	747
1988	743	741	735	744	743	746	750	749	750	754	756	757
1989	761	760	760	756	755	756	749	755	752	741	747	748



Ohio Nonagricultural Wage and Salary Employment: 1980-1989
(in thousands)
Seasonally Adjusted

Nondurable-Goods Manufacturing

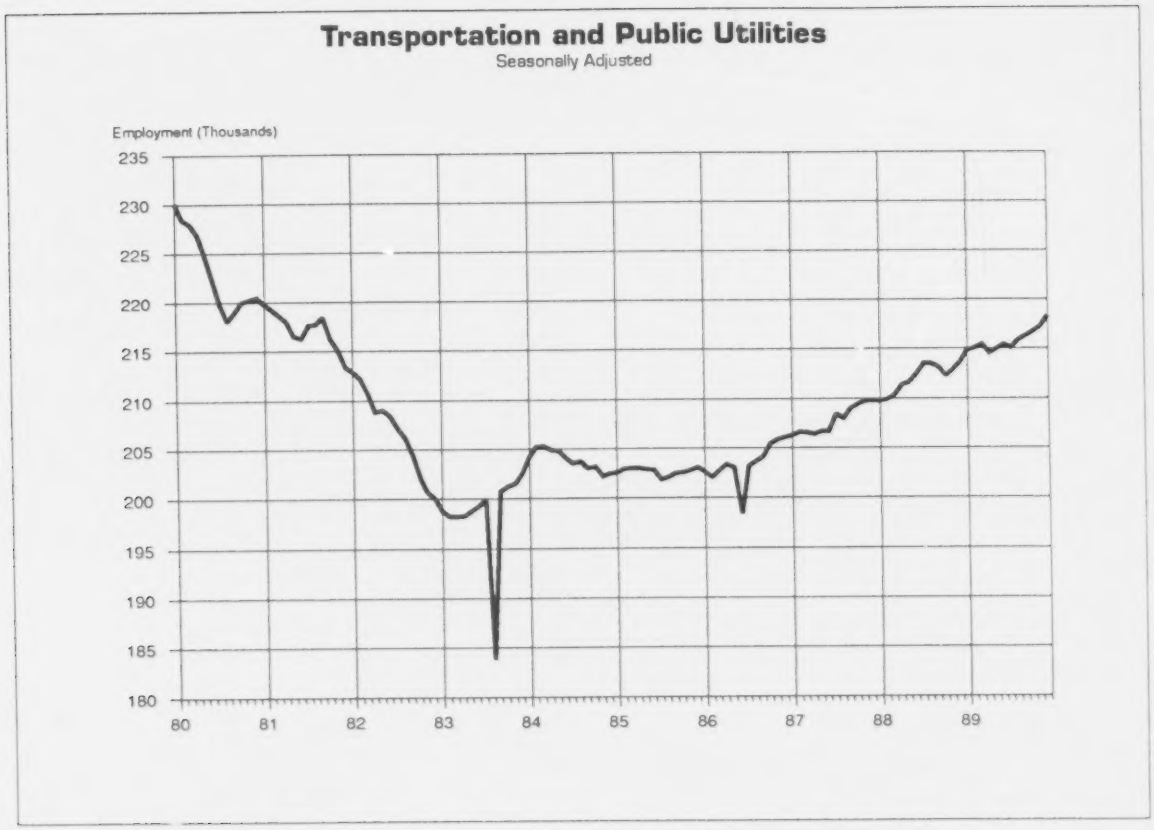
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	400	396	394	391	385	380	375	376	376	378	379	380
1981	379	378	377	377	376	376	376	375	374	371	367	365
1982	358	356	354	353	353	352	350	349	346	341	341	340
1983	339	341	341	342	341	342	344	345	348	348	349	350
1984	352	352	354	355	355	356	356	357	356	357	357	357
1985	357	357	357	357	358	357	356	358	357	356	358	358
1986	359	359	358	359	358	358	359	358	359	359	359	359
1987	358	359	359	359	359	359	360	361	360	361	362	364
1988	362	361	361	362	362	363	365	364	365	365	365	366
1989	367	369	370	369	369	370	369	370	371	371	372	371



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Service-Producing Industries

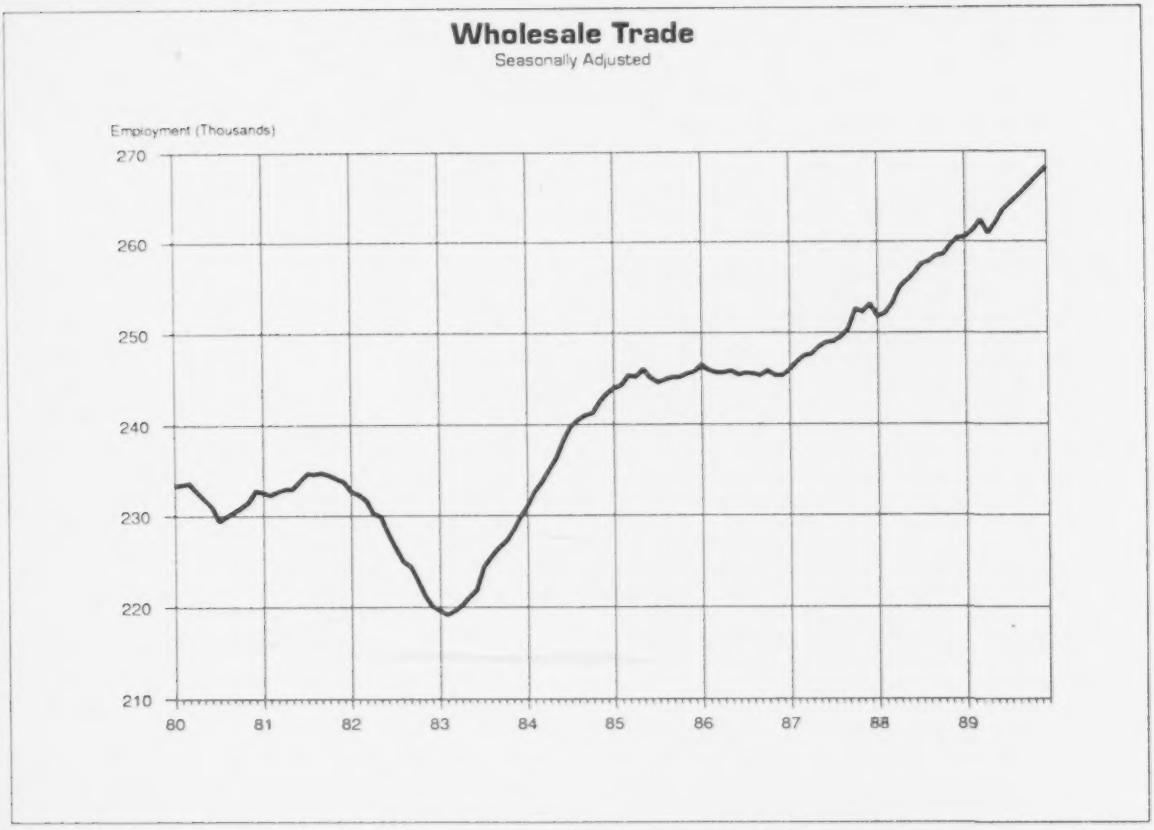
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	2,906	2,913	2,917	2,914	2,912	2,904	2,893	2,892	2,888	2,903	2,906	2,914
1981	2,912	2,908	2,909	2,910	2,905	2,906	2,899	2,900	2,897	2,894	2,887	2,883
1982	2,880	2,876	2,873	2,867	2,866	2,868	2,859	2,855	2,849	2,844	2,839	2,838
1983	2,844	2,844	2,848	2,850	2,853	2,856	2,878	2,866	2,898	2,889	2,897	2,903
1984	2,911	2,924	2,923	2,930	2,940	2,951	2,963	2,978	2,984	2,996	3,009	3,014
1985	3,010	3,018	3,033	3,050	3,066	3,063	3,074	3,085	3,092	3,100	3,110	3,117
1986	3,130	3,135	3,140	3,157	3,166	3,167	3,182	3,194	3,202	3,213	3,221	3,229
1987	3,245	3,257	3,262	3,261	3,270	3,277	3,286	3,293	3,297	3,319	3,330	3,338
1988	3,332	3,341	3,353	3,370	3,377	3,390	3,393	3,396	3,407	3,410	3,419	3,432
1989	3,437	3,456	3,475	3,455	3,463	3,474	3,484	3,494	3,501	3,509	3,518	3,527



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Transportation and Public Utilities

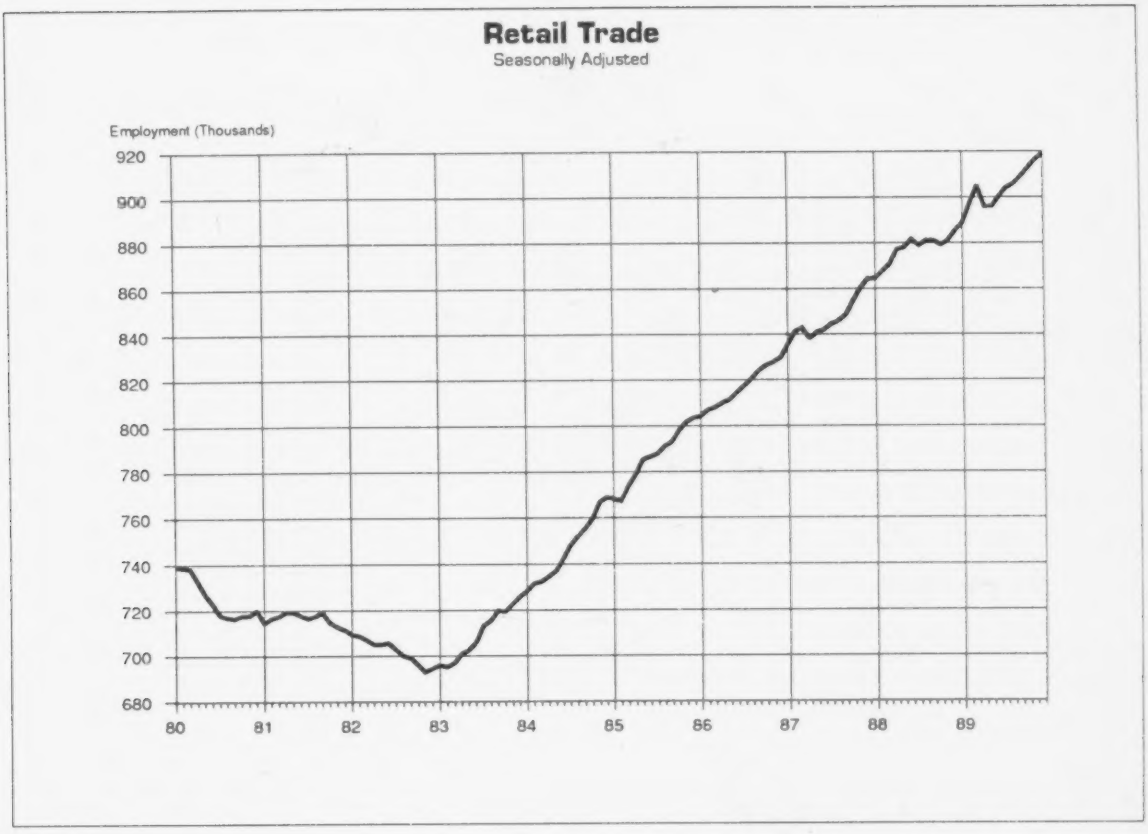
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	230	228	228	227	225	222	220	218	219	220	220	220
1981	220	219	219	218	217	216	218	218	218	216	215	213
1982	213	212	211	209	209	208	207	206	204	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	203
1984	204	205	205	205	205	204	204	204	203	203	202	203
1985	203	203	203	203	203	203	202	202	202	203	203	203
1986	203	202	203	203	203	198	203	204	204	205	206	206
1987	206	207	207	206	207	207	208	208	209	209	210	210
1988	210	210	210	211	212	213	213	214	213	212	213	214
1989	215	215	215	215	215	215	215	216	216	217	217	218



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Wholesale Trade

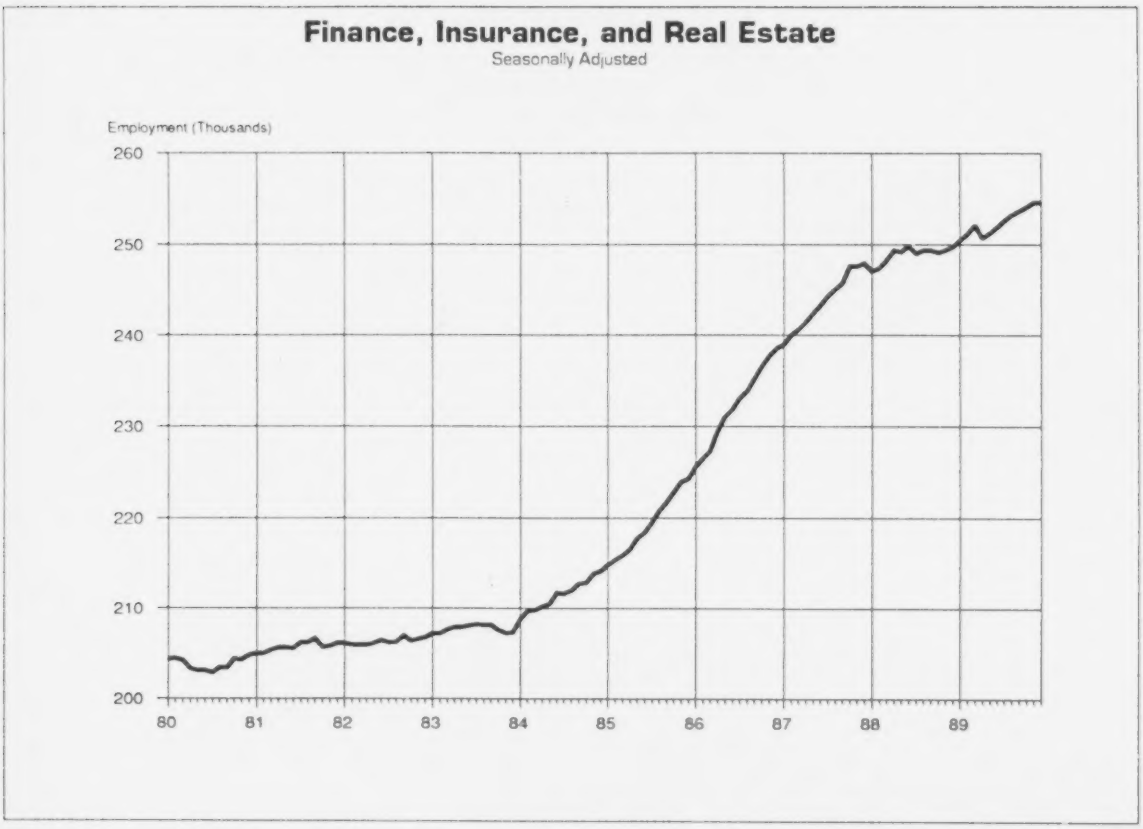
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	233	233	234	233	232	231	229	230	230	231	231	233
1981	233	232	233	233	233	234	235	235	235	234	234	234
1982	233	232	232	230	230	228	227	225	224	223	221	220
1983	220	219	220	220	221	222	224	226	226	227	228	230
1984	231	233	234	235	236	238	240	240	241	241	243	243
1985	244	244	245	245	246	245	245	245	245	245	246	246
1986	246	246	246	246	246	245	246	246	245	246	245	245
1987	246	247	248	248	248	249	249	250	250	253	252	253
1988	252	252	253	255	256	256	258	258	258	259	260	260
1989	261	261	262	261	262	263	264	265	266	267	267	268



Ohio Nonagricultural Wage and Salary Employment: 1980-1989
(in thousands)
Seasonally Adjusted

Retail Trade

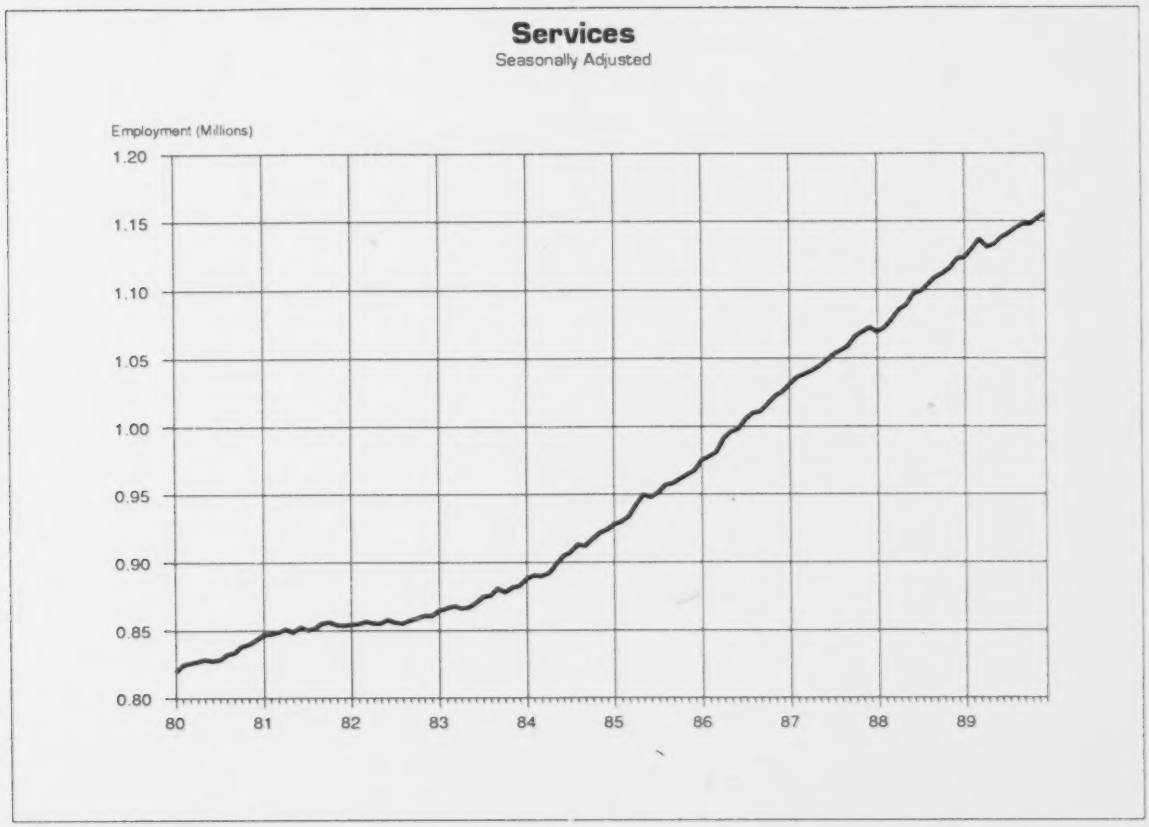
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	739	739	738	733	727	723	718	717	717	718	718	720
1981	715	717	718	719	720	718	717	718	719	715	713	712
1982	710	709	707	705	705	706	703	700	699	696	693	695
1983	696	695	697	701	702	706	713	716	720	720	723	726
1984	729	732	733	735	737	742	748	752	755	760	767	769
1985	768	767	774	779	785	787	788	791	793	798	802	803
1986	804	807	808	810	812	815	818	821	824	827	828	830
1987	836	841	843	838	841	842	845	846	849	855	860	864
1988	865	868	871	877	878	881	879	881	881	879	881	886
1989	889	897	905	896	896	900	904	906	909	913	916	919



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Finance, Insurance, and Real Estate

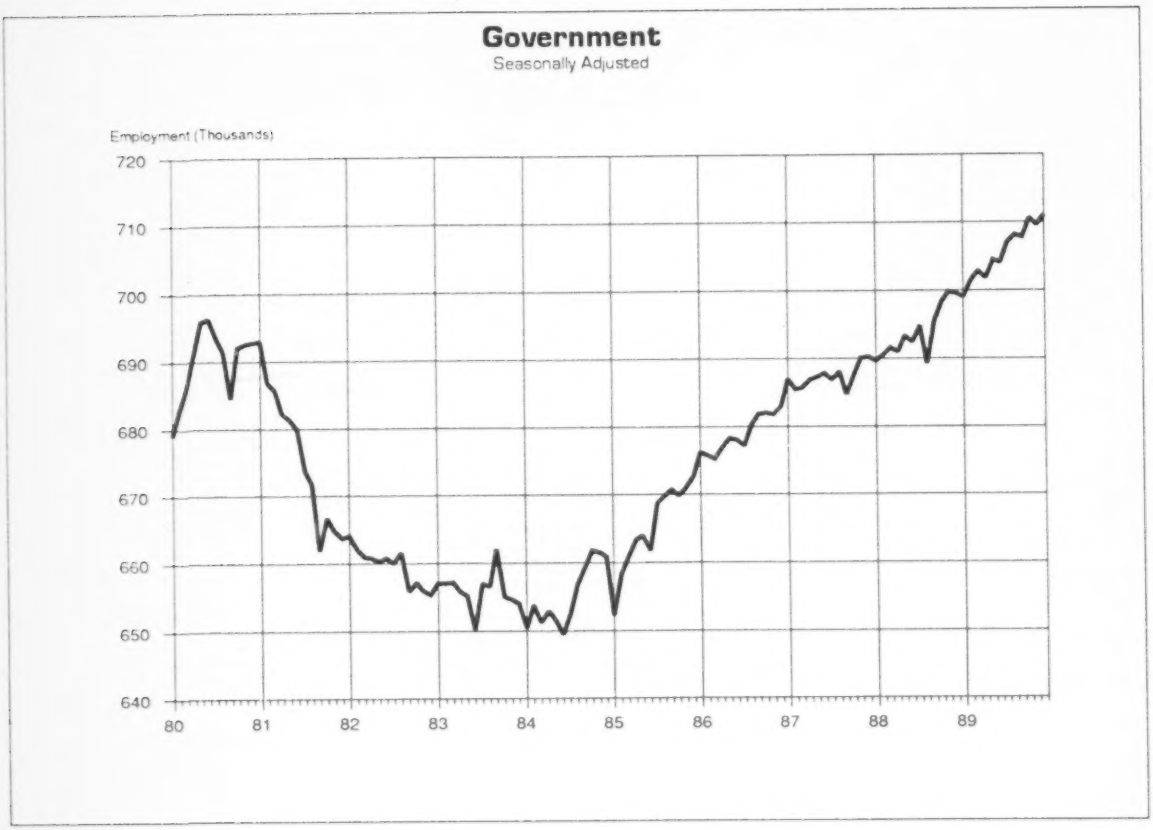
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	204	204	204	203	203	203	203	203	203	204	204	205
1981	205	205	205	206	206	206	206	206	207	206	206	206
1982	206	206	206	206	206	207	206	206	207	206	207	207
1983	207	207	208	208	208	208	208	208	208	208	207	207
1984	209	210	210	210	211	212	212	212	213	213	214	214
1985	215	215	216	217	218	218	220	221	222	223	224	224
1986	226	227	227	229	231	232	233	234	235	237	238	239
1987	239	240	241	241	242	243	244	245	246	248	248	248
1988	247	247	248	249	249	250	249	249	249	249	249	250
1989	250	251	252	251	251	252	253	253	254	254	255	255



Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Services

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	819	825	826	827	829	828	829	832	834	838	840	843
1981	847	847	849	851	849	853	851	852	856	856	854	854
1982	855	855	857	856	856	858	856	855	858	859	861	861
1983	865	866	868	866	867	870	875	876	881	878	882	883
1984	888	890	890	892	899	905	907	913	912	917	922	924
1985	928	930	934	943	950	948	951	957	959	962	965	968
1986	975	978	981	991	996	998	1,005	1,010	1,011	1,016	1,022	1,026
1987	1,031	1,036	1,038	1,041	1,044	1,048	1,053	1,056	1,059	1,067	1,069	1,073
1988	1,069	1,073	1,079	1,086	1,089	1,098	1,099	1,105	1,109	1,112	1,116	1,123
1989	1,124	1,130	1,137	1,131	1,133	1,138	1,141	1,145	1,148	1,148	1,152	1,156



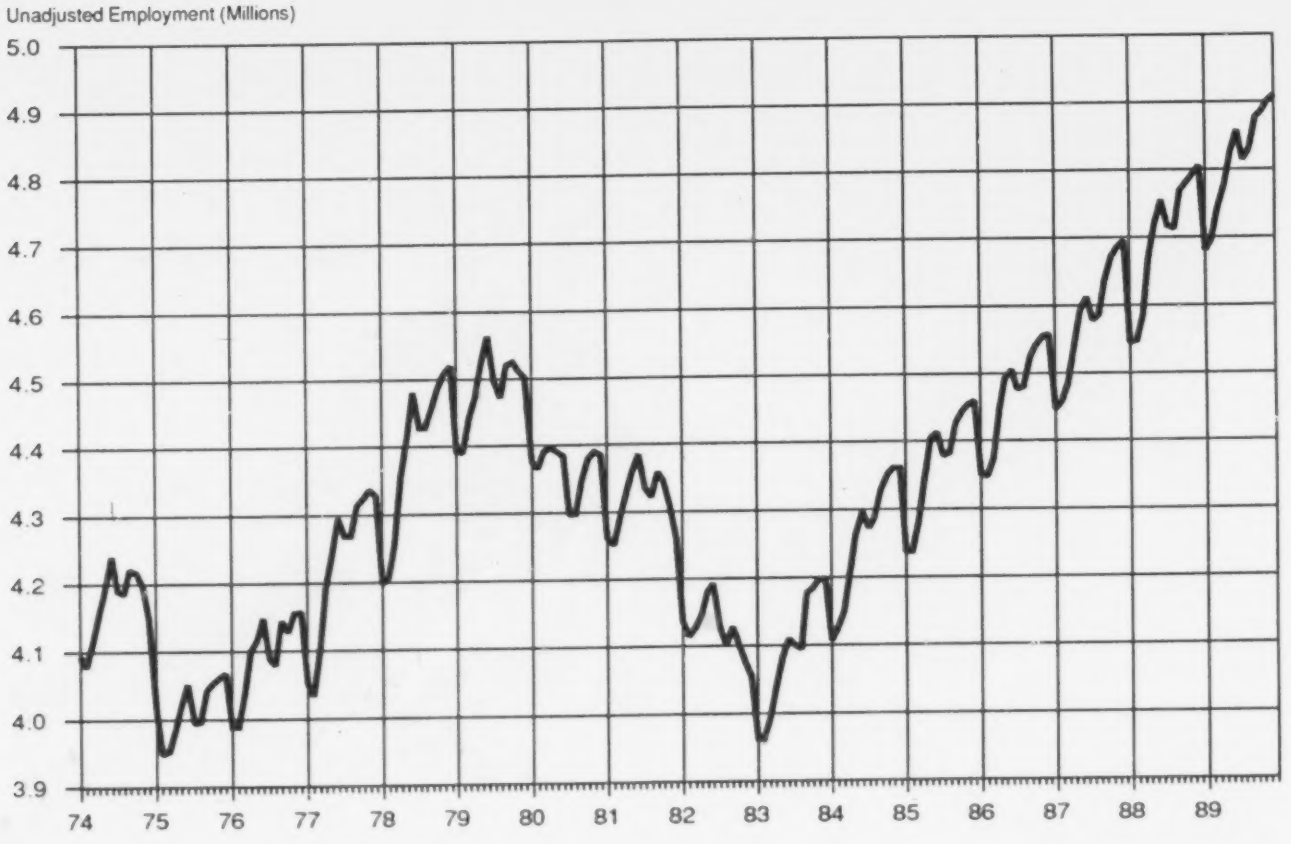
Ohio Nonagricultural Wage and Salary Employment: 1980–1989
(in thousands)
Seasonally Adjusted

Government

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1980	679	683	686	691	696	696	694	691	685	692	693	693
1981	693	687	686	682	681	680	674	672	662	667	665	664
1982	664	662	661	661	660	661	660	662	656	657	656	655
1983	657	657	657	656	655	650	657	657	662	655	655	654
1984	650	654	651	653	651	650	652	657	659	662	662	661
1985	652	658	661	663	664	662	669	670	671	670	671	673
1986	676	676	675	677	678	678	677	680	682	682	682	683
1987	687	685	686	687	687	688	687	688	685	688	690	690
1988	690	691	692	691	693	692	695	689	696	698	700	700
1989	699	701	703	702	704	704	707	708	708	711	710	711

State of Ohio

Total Nonagricultural Employment



Nonagricultural Wage and Salary Employment in Ohio, By Industrial Division, Since 1939[a]

(in thousands)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	1783.8	27.3	63.1	769.8	158.4	330.4	56.7	176.4	201.8
1940	1906.6	27.0	65.3	843.6	169.2	350.5	56.1	184.6	210.2
1941	2201.3	29.9	101.8	1039.4	186.8	370.9	60.4	192.6	219.4
1942	2411.3	32.2	99.3	1204.9	198.2	363.3	58.3	200.1	250.1
1943	2607.0	29.2	79.7	1390.1	204.7	360.3	56.0	201.6	285.4
1944	2558.0	27.9	59.3	1359.7	209.8	361.8	55.5	202.3	281.8
1945	2417.9	25.7	61.2	1218.2	207.1	358.9	56.9	209.8	280.1
1946	2532.1	27.6	101.6	1190.0	219.2	410.6	65.5	239.9	277.7
1947	2708.3	30.2	123.1	1269.3	227.6	457.3	69.2	259.5	272.1
1948	2785.5	31.1	134.6	1261.7	235.8	495.7	72.2	277.0	277.6
1949	2654.9	28.1	127.1	1142.2	217.5	503.7	73.6	274.8	287.8
1950	2760.0	27.9	134.1	1220.0	223.3	505.7	76.8	277.3	294.8
1951	2953.4	26.3	158.8	1339.5	236.6	523.8	79.4	283.0	306.0
1952	3005.7	24.4	161.4	1357.3	235.0	537.4	85.4	291.5	313.2
1953	3150.3	23.0	166.5	1446.9	240.1	557.2	89.3	303.1	324.3
1954	3028.4	20.7	184.0	1314.0	221.3	555.9	92.6	307.8	332.1
1955	3128.9	21.0	183.4	1370.6	223.8	571.2	96.3	318.5	344.1
1956	3219.7	22.1	184.8	1393.7	228.9	598.0	100.6	335.0	356.7
1957	3230.6	22.0	183.3	1370.9	226.4	609.4	104.9	346.9	366.9
1958	3007.2	20.1	162.8	1198.3	207.6	586.6	107.9	344.6	379.4
1959	3112.5	20.0	161.4	1264.5	208.5	603.3	111.8	356.2	386.7
1960	3147.3	19.9	152.2	1264.8	208.7	619.2	116.2	367.2	399.2
1961	3044.3	18.9	142.1	1183.2	198.5	601.3	119.2	368.7	412.5
1962	3099.2	18.8	137.9	1218.2	198.1	605.2	120.5	376.4	424.2
1963	3145.2	18.4	137.1	1236.6	197.1	611.3	122.6	390.3	431.7
1964	3216.3	19.6	141.3	1259.1	197.8	624.0	124.9	409.3	440.3
1965	3364.3	18.8	152.0	1326.0	202.3	647.6	127.0	432.1	458.6
1966	3537.3	18.4	162.0	1404.4	207.5	675.2	129.6	457.1	483.0
1967	3619.8	18.9	163.8	1401.4	209.0	697.3	135.3	484.6	509.5
1968	3750.8	18.9	175.5	1433.5	214.4	727.0	141.0	512.2	528.3
1969	3887.3	19.6	184.8	1471.0	221.0	759.0	146.0	541.2	544.8
1970	3880.7	20.6	164.2	1409.9	225.0	773.2	154.2	568.1	565.5
1971	3839.6	20.8	155.2	1333.8	223.8	782.8	158.6	587.4	577.2
1972	3938.4	22.7	165.1	1346.8	222.9	816.3	163.8	611.7	589.1
1973	4112.9	22.9	175.5	1426.3	224.9	852.6	169.0	643.9	597.8
1974	4169.4	24.2	172.3	1416.6	227.8	873.8	171.9	669.7	613.1
1975	4016.2	26.8	154.9	1267.5	213.2	868.0	173.1	686.3	626.4
1976	4094.6	28.2	154.2	1295.3	213.7	890.8	177.0	703.2	632.2
1977	4230.1	29.1	162.8	1344.1	219.1	917.8	183.4	731.4	642.3
1978	4394.9	29.0	176.6	1377.2	225.0	956.4	191.1	772.1	667.5
1979	4484.8	31.6	182.9	1382.3	232.1	975.2	200.6	806.2	674.0
1980	4367.4	30.7	167.4	1264.3	223.1	957.2	203.8	830.9	689.9
1981	4317.7	30.7	153.7	1232.6	217.2	950.1	205.8	851.6	676.0
1982	4124.3	30.3	134.6	1099.9	206.8	929.3	206.4	857.3	659.6
1983	4092.5	26.6	130.8	1066.0	198.5	933.5	207.8	873.3	656.1
1984	4260.2	27.8	144.8	1127.0	203.9	984.7	211.5	905.2	655.2
1985	4372.9	26.1	154.0	1124.2	202.7	1031.7	219.3	949.5	665.2
1986	4471.4	22.6	160.7	1109.8	203.4	1062.8	232.3	1001.0	678.9
1987	4582.6	20.9	176.4	1098.9	207.8	1096.3	243.8	1051.2	687.3
1988	4700.6	18.9	185.6	1110.6	212.1	1133.8	249.0	1096.8	693.8
1989[b]	4817.2	17.8	193.1	1123.0	215.9	1168.3	252.6	1140.8	705.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics.
[b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (5-7-90) RS 790.1-2
(March 1989 BM)

Proportion of Nonagricultural Wage and Salary Employees in Ohio, By Industrial Division, Since 1939[a]

(percent of Ohio total)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	100	1.5	3.5	43.2	8.9	18.5	3.2	9.9	11.3
1940	100	1.4	3.4	44.2	8.9	18.4	2.9	9.7	11.0
1941	100	1.4	4.6	47.2	8.5	16.8	2.7	8.7	10.0
1942	100	1.3	4.1	50.0	8.2	15.3	2.4	8.3	10.4
1943	100	1.1	3.1	53.3	7.9	13.8	2.1	7.7	10.9
1944	100	1.1	2.3	53.2	8.2	14.1	2.2	7.9	11.0
1945	100	1.1	2.5	50.4	8.6	14.8	2.4	8.7	11.6
1946	100	1.1	4.0	47.0	8.7	16.2	2.6	9.5	11.0
1947	100	1.1	4.5	46.9	8.4	16.9	2.6	9.6	10.0
1948	100	1.1	4.8	45.3	8.5	17.8	2.6	9.9	10.0
1949	100	1.1	4.8	43.0	8.2	19.0	2.8	10.4	10.8
1950	100	1.0	4.9	44.2	8.1	18.3	2.8	10.0	10.7
1951	100	.9	5.4	45.4	8.0	17.7	2.7	9.6	10.4
1952	100	.8	5.4	45.2	7.8	17.9	2.8	9.7	10.4
1953	100	.7	5.3	45.9	7.6	17.7	2.8	9.6	10.3
1954	100	.7	6.1	43.4	7.3	18.4	3.1	10.2	11.0
1955	100	.7	5.9	43.8	7.2	18.3	3.1	10.2	11.0
1956	100	.7	5.7	43.3	7.1	18.6	3.1	10.4	11.1
1957	100	.7	5.7	42.4	7.0	18.9	3.2	10.7	11.4
1958	100	.7	5.4	39.8	6.9	19.5	3.6	11.5	12.6
1959	100	.6	5.2	40.6	6.7	19.4	3.6	11.4	12.4
1960	100	.6	4.8	40.2	6.6	19.7	3.7	11.7	12.7
1961	100	.6	4.7	38.9	6.5	19.8	3.9	12.1	13.5
1962	100	.6	4.4	39.3	6.4	19.5	3.9	12.1	13.7
1963	100	.6	4.4	39.3	6.3	19.4	3.9	12.4	13.7
1964	100	.6	4.4	39.1	6.1	19.4	3.9	12.7	13.7
1965	100	.6	4.5	39.4	6.0	19.2	3.8	12.8	13.6
1966	100	.5	4.6	39.7	5.9	19.1	3.7	12.9	13.7
1967	100	.5	4.5	38.7	5.8	19.3	3.7	13.4	14.1
1968	100	.5	4.7	38.2	5.7	19.4	3.8	13.7	14.1
1969	100	.5	4.8	37.8	5.7	19.5	3.8	13.9	14.0
1970	100	.5	4.2	36.3	5.8	19.9	4.0	14.6	14.6
1971	100	.5	4.0	34.7	5.8	20.4	4.1	15.3	15.0
1972	100	.6	4.2	34.2	5.7	20.7	4.2	15.5	15.0
1973	100	.6	4.3	34.7	5.5	20.7	4.1	15.7	14.5
1974	100	.6	4.1	34.0	5.5	21.0	4.1	16.1	14.7
1975	100	.7	3.9	31.6	5.3	21.6	4.3	17.1	15.6
1976	100	.7	3.8	31.6	5.2	21.8	4.3	17.2	15.4
1977	100	.7	3.8	31.8	5.2	21.7	4.3	17.3	15.2
1978	100	.7	4.0	31.3	5.1	21.8	4.3	17.6	15.2
1979	100	.7	4.1	30.8	5.2	21.7	4.5	18.0	15.0
1980	100	.7	3.8	28.9	5.1	21.9	4.7	19.0	15.8
1981	100	.7	3.6	28.5	5.0	22.0	4.8	19.7	15.7
1982	100	.7	3.3	26.7	5.0	22.5	5.0	20.8	16.0
1983	100	.6	3.2	26.0	4.8	22.8	5.1	21.3	16.0
1984	100	.7	3.4	26.5	4.8	23.1	5.0	21.2	15.4
1985	100	.6	3.5	25.7	4.6	23.6	5.0	21.7	15.2
1986	100	.5	3.6	24.8	4.5	23.8	5.2	22.4	15.2
1987	100	.5	3.8	24.0	4.5	23.9	5.3	22.9	15.0
1988	100	.4	3.9	23.6	4.5	24.1	5.3	23.3	14.8
1989[b]	100	.4	4.0	23.3	4.5	24.3	5.2	23.7	14.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics.
[b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (5-7-90) RS 790.1-2.1
(March 1989 BM)

Nonagricultural Wage and Salary Employment in Ohio, Goods-Producing Industries, Since 1939[a]

Year	Employment (in thousands)				Goods-Producing as Percent of NAG Employment	Manufacturing as Percent of Goods-Producing Employment	Durable-Goods as Percent of Manufacturing Employment
	Nonagricultural Wage and Salary (NAG)	Goods-Producing	Manufacturing	Durable-Goods			
1939	1783.8	860.2	769.8	487.7	48.2	89.5	63.4
1940	1906.6	935.9	843.6	554.4	49.1	90.1	65.7
1941	2201.3	1171.1	1039.4	719.2	53.2	88.8	69.2
1942	2411.3	1336.4	1204.9	862.8	55.4	90.2	71.6
1943	2607.0	1499.0	1390.1	1039.2	57.5	92.7	74.8
1944	2558.0	1446.9	1359.7	1013.9	56.6	94.0	74.6
1945	2417.9	1305.1	1218.2	879.9	54.0	93.3	72.2
1946	2532.1	1319.2	1190.0	818.4	52.1	90.2	68.8
1947	2708.3	1422.6	1269.3	894.1	52.5	89.2	70.4
[illegible]3	2785.5	1427.4	1261.7	887.6	51.2	88.4	70.3
194[illegible]	2654.9	1297.4	1142.2	783.5	48.9	88.0	68.6
[illegible]0	2760.0	1382.0	1220.0	847.7	50.1	88.3	69.5
1951	2953.4	1524.6	1339.5	954.5	51.6	87.9	71.3
1952	3005.7	1543.1	1357.3	973.1	51.3	88.0	71.7
1953	3150.3	1636.4	1446.9	1052.0	51.9	88.4	72.7
1954	3028.4	1518.7	1314.0	937.1	50.1	86.5	71.3
1955	3128.9	1575.0	1370.6	980.0	50.3	87.0	71.5
1956	3219.7	1600.6	1393.7	1002.0	49.7	87.1	71.9
1957	3230.6	1576.2	1370.9	984.7	48.8	87.0	71.8
1958	3007.2	1381.2	1198.3	828.9	45.9	86.8	69.2
1959	3112.5	1445.9	1264.5	886.8	46.5	87.5	70.1
1960	3147.3	1436.9	1264.8	889.8	45.7	88.0	70.4
1961	3044.3	1344.2	1183.2	821.6	44.2	88.0	69.4
1962	3099.2	1374.9	1218.2	953.6	44.4	88.6	70.1
1963	3145.2	1392.1	1236.6	869.6	44.3	88.8	70.3
1964	3216.3	1420.0	1259.1	887.1	44.2	88.7	70.5
1965	3364.3	1496.8	1326.0	941.7	44.5	88.6	71.0
1966	3537.3	1584.8	1404.4	1004.7	44.8	88.6	71.5
1967	3619.8	1584.1	1401.4	998.6	43.8	88.5	71.3
1968	3750.8	1627.9	1433.5	1021.8	43.4	88.1	71.3
1969	3887.3	1675.4	1471.0	1052.7	43.1	87.8	71.6
1970	3880.7	1594.7	1409.9	1002.5	41.1	88.4	71.1
1971	3839.6	1509.8	1333.8	963.1	39.3	88.3	72.2
1972	3938.4	1534.6	1346.8	948.8	39.0	87.8	70.4
1973	4112.9	1624.7	1426.3	1018.2	39.5	87.8	71.4
1974	4169.4	1613.1	1416.6	1013.1	38.7	87.8	71.5
1975	4016.2	1449.2	1267.5	892.4	36.1	87.5	70.4
1976	4094.6	1477.7	1295.3	910.6	36.1	87.7	70.3
1977	4230.1	1536.0	1344.1	945.2	36.3	87.5	70.3
1978	4394.9	1582.8	1377.2	974.5	36.0	87.0	70.8
1979	4484.8	1596.8	1382.3	978.1	35.6	86.6	70.8
1980	4367.4	1462.4	1264.3	880.3	33.5	86.5	69.6
1981	4317.7	1417.0	1232.6	858.2	32.8	87.0	69.6
1982	4124.3	1264.8	1099.9	750.5	30.7	87.0	68.2
1983	4092.5	1223.4	1066.0	721.9	29.9	87.1	67.7
1984	4260.2	1299.7	1127.0	771.7	30.5	86.7	68.5
1985	4372.9	1304.3	1124.2	767.0	29.8	86.2	68.2
1986	4471.4	1293.1	1109.8	751.0	28.9	85.8	67.7
1987	4582.6	1296.2	1098.9	738.9	28.3	84.8	67.2
1988	4700.6	1315.1	1110.6	747.3	28.0	84.4	67.3
1989[b]	4817.2	1333.9	1123.0	753.2	27.7	84.2	67.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Includes full- and part-time wage and salaried workers employed during pay periods including the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals because of rounding. [b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (5-7-90) RS 790.1-1
(March 1989 BM)

Ohio

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	4817.2	4680.9	4696.4	4746.9	4777.0	4827.0	4858.3	4815.3	4830.3	4877.8	4885.7	4900.8	4909.6
Goods-Producing Industries	1333.9	1301.6	1297.2	1309.3	1320.5	1333.3	1351.4	1343.2	1358.7	1361.7	1347.1	1346.8	1335.6
Mining	17.8	17.7	17.6	17.7	17.8	17.8	18.1	15.4	18.5	18.5	18.6	18.3	18.1
Coal Mining	7.3	7.5	7.6	7.6	7.5	7.5	7.5	4.6[f]	7.7	7.8	7.7	7.5	7.5
Oil and Gas Extraction	5.7	6.0	5.8	5.7	5.5	5.4	5.6	5.7	5.7	5.7	5.8	5.8	5.8
Construction	193.1	165.0	161.2	169.0	181.5	191.3	201.8	209.6	212.3	211.8	212.3	205.5	195.8
General Building Contractors	46.7	42.8	42.1	43.1	45.0	45.7	47.8	49.6	49.8	49.3	49.2	48.5	47.5
Nonresidential Building Construction	24.1	22.8	22.3	22.7	23.4	23.6	24.4	25.2	25.2	25.0	25.1	24.7	24.3
Heavy Construction, Except Building	23.2	15.9	15.8	17.5	21.2	23.8	26.0	27.3	27.8	28.1	27.9	25.4	21.6
Highway and Street Construction	8.0	4.0	3.9	4.7	6.7	8.6	9.6	10.2	10.5	10.6	10.4	9.3	7.0
Special Trade Contractors	123.2	106.2	103.4	108.4	115.4	121.8	128.0	132.7	134.7	134.5	135.2	131.7	126.7
Manufacturing	1123.0	1118.9	1118.4	1122.6	1121.2	1124.2	1131.5	1118.2	1128.0	1131.4	1116.3	1123.0	1121.7
Durable Goods[c]	753.2	755.6	754.4	756.8	755.2	756.5	759.8	748.2	754.9	755.5	742.1	749.5	750.0
Lumber and Wood Products	22.4	21.7	21.6	21.7	21.5	22.1	22.4	22.8	23.1	23.0	23.0	22.8	22.6
Millwork, Plywood and Structural Members	10.1	9.7	9.6	9.7	9.7	10.0	10.1	10.4	10.4	10.5	10.4	10.4	10.2
Furniture and Fixtures	15.5	15.6	15.7	15.7	15.5	15.2	15.5	15.5	15.5	15.5	15.4	15.6	15.7
Stone, Clay, and Glass Products	45.7	44.7	44.8	45.3	45.4	45.7	46.4	46.1	46.5	46.3	45.9	45.9	45.3
Primary Metal Industries	102.2	103.1	102.9	102.8	103.2	103.3	103.1	101.0	102.4	102.8	100.3	100.8	100.6
Blast Furnace and Basic Steel Products	46.5	46.5	46.4	46.3	46.7	46.8	47.1	47.7	47.5	47.1	44.6[f]	45.5	46.4
Iron and Steel Foundries	20.5	20.9	20.9	20.9	20.8	20.9	20.8	19.2	20.3	20.5	20.5	20.4	19.8
Nonferrous Rolling and Drawing	17.1	17.8	17.6	17.5	17.6	17.4	17.1	16.3	16.5	17.2	17.1	17.0	16.5
Nonferrous Foundries	10.7	10.7	10.7	10.8	10.7	10.8	10.8	10.6	10.8	10.8	10.6	10.5	10.7
Fabricated Metal Products	136.3	137.3	136.9	137.3	136.5	136.8	136.8	134.9	135.0	137.1	135.3	136.2	136.0
Fabricated Structural Metal Products	30.3	29.9	29.6	29.8	29.8	30.1	30.4	30.5	30.5	31.0	30.5	30.5	30.5
Metal Forgings and Stampings	39.5	40.5	40.4	40.2	40.0	40.0	39.5	38.0	38.1	39.4	39.1	39.3	39.1
Industrial Machinery and Equipment	167.6	167.1	167.6	168.7	167.8	167.8	169.2	168.8	168.0	167.9	163.6	167.1	168.0
Construction and Related Machinery	14.1	14.1	13.8	13.8	13.9	14.1	14.2	14.4	14.2	14.1	14.1	14.2	14.4
Metalworking Machinery	47.8	47.3	47.4	47.9	47.8	47.8	48.2	48.5	48.4	48.0	47.5	47.6	47.5
Special Industry Machinery	17.2	16.9	17.2	17.4	17.1	17.0	17.1	17.3	17.2	17.4	17.4	17.1	17.5
General Industrial Machinery	26.1	26.2	26.4	26.5	26.2	26.3	26.5	26.3	26.1	26.3	23.3[f]	26.3	26.4
Computer and Office Equipment	11.5	11.9	11.8	11.9	11.4	11.3	11.4	11.5	11.2	11.4	11.2	11.3	11.2
Refrigeration and Service Machinery	16.3	16.4	16.4	16.3	16.4	16.5	16.8	16.7	16.3	16.2	16.0	15.9	15.9
Electronic and Other Electric Equipment	79.5	80.7	79.7	79.8	78.9	78.9	79.6	79.2	79.3	80.2	79.4	79.6	79.0
Electrical Industrial Apparatus	12.6	12.7	12.7	12.8	12.5	12.6	12.7	12.6	12.4	12.7	12.6	12.6	12.5
Household Appliances	15.4	16.0	15.3	15.2	14.9	14.9	15.3	15.4	15.7	15.7	15.2	15.4	15.4
Electric Lighting and Wiring Equipment	16.6	16.7	16.7	16.6	16.6	16.6	16.7	16.5	16.3	16.6	16.5	16.7	16.6
Electronic Components and Accessories	11.4	11.4	11.4	11.5	11.4	11.3	11.3	11.4	11.3	11.6	11.6	11.6	11.5

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Transportation Equipment	141.8	143.7	143.7	144.0	144.8	144.9	144.7	137.7	142.4	139.8	136.4	139.0	140.8
Motor Vehicles and Equipment	96.4	98.2	98.6	99.0	99.7	99.7	99.1	92.0	97.0	94.5	90.9	93.5	95.1
Aircraft and Parts	36.5	36.8	36.4	36.3	36.3	36.2	36.4	36.6	36.4	36.5	36.6	36.6	36.8
Instruments and Related Products	26.8	26.9	26.7	26.6	26.7	26.7	26.8	26.8	26.8	26.9	27.0	27.0	26.8
Measuring and Controlling Devices	16.4	16.5	16.4	16.3	16.2	16.2	16.3	16.4	16.4	16.5	16.5	16.4	16.3
Nondurable Goods[c]	369.8	363.4	364.1	365.8	366.0	367.7	371.7	370.0	373.1	375.9	374.2	373.5	371.7
Food and Kindred Products	63.2	61.8	61.2	61.5	61.8	62.4	63.5	63.2	64.4	66.7	64.9	63.8	63.4
Dairy Products	10.1	9.6	9.7	9.9	10.2	10.2	10.3	10.3	10.4	10.2	10.2	10.2	10.2
Preserved Fruits and Vegetables	11.0	10.8	10.3	10.3	10.4	10.6	10.7	10.2	11.2	13.8	11.9	10.9	10.5
Bakery Products	9.6	9.3	9.1	9.3	9.5	9.5	9.9	9.8	10.0	10.0	9.7	9.6	9.5
Apparel and Other Textile Products	15.4	15.4	15.6	15.7	15.7	15.3	15.1	14.9	15.3	15.5	15.3	15.5	15.2
Paper and Allied Products	37.6	37.2	37.2	37.2	37.3	37.4	37.7	38.1	37.8	37.7	37.8	37.9	38.0
Paperboard Containers and Boxes	13.6	13.3	13.3	13.3	13.3	13.4	13.5	13.8	13.7	13.7	13.9	13.9	14.0
Miscellaneous Converted Paper Products	12.1	12.1	12.1	12.2	12.2	12.1	12.2	12.3	12.1	12.1	12.0	12.0	12.1
Printing and Publishing	73.9	72.3	73.1	73.3	73.1	73.5	74.1	74.0	74.2	74.6	74.8	75.0	75.0
Newspapers	18.8	18.8	18.8	18.7	18.6	18.6	18.7	18.6	18.7	18.8	18.9	19.0	19.0
Commercial Printing	27.2	26.5	26.8	26.9	27.0	27.1	27.3	27.3	27.4	27.6	27.6	27.7	27.7
Chemicals and Allied Products	65.2	64.1	64.3	64.7	64.5	64.9	65.9	66.0	66.1	65.6	65.5	65.6	65.5
Plastics Materials and Synthetics	9.7	9.5	9.5	9.6	9.5	9.6	9.9	9.9	9.9	9.8	9.7	9.7	9.7
Rubber and Miscellaneous Plastics Products	96.4	95.1	95.4	96.0	96.0	96.1	97.1	95.4	96.8	97.4	97.6	97.6	96.7
Tires and Inner Tubes	15.4	14.6	14.6	15.3	15.5	15.6	15.7	15.6	15.6	15.6	15.6	15.5	15.5
Miscellaneous Plastics Products	58.1	57.6	57.8	57.8	57.8	57.7	58.3	57.1	58.4	58.8	59.0	58.9	58.2
Service-Producing Industries	3483.3	3379.3	3399.1	3437.6	3456.5	3493.6	3506.9	3472.1	3471.5	3516.0	3538.6	3554.0	3574.0
Transportation and Public Utilities	215.9	209.9	209.9	211.1	212.8	215.1	217.4	217.5	218.5	219.0	219.4	219.4	220.4
Transportation	125.3	120.2	120.2	121.5	122.9	124.8	126.1	126.0	127.0	127.9	128.6	129.0	130.0
Railroad Transportation	12.9	12.9	12.6	12.6	13.0	13.2	13.2	13.1	13.0	12.9	12.9	12.5	12.5
Trucking and Warehousing	75.4	72.2	72.7	73.3	73.9	74.7	75.3	75.7	76.5	76.8	77.4	77.9	78.9
Transportation by Air	13.2	12.8	12.8	12.9	12.8	12.9	13.0	13.3	13.3	13.4	13.4	13.6	13.7
Communications, Electric, Gas Services	90.5	89.7	89.7	89.7	89.8	90.3	91.3	91.5	91.5	91.1	90.7	90.4	90.4
Communications	47.5	47.4	47.5	47.4	47.5	47.6	47.7	47.7	47.6	47.5	47.4	47.2	47.1
Electric, Gas, and Sanitary Services	43.1	42.3	42.3	42.3	42.4	42.7	43.6	43.9	43.9	43.6	43.3	43.2	43.3
Wholesale Trade	264.0	258.2	258.5	260.4	260.3	262.4	265.2	265.8	265.7	266.0	268.0	268.5	269.6
Wholesale Trade-Durable Goods	167.4	163.9	164.3	165.5	165.4	166.6	168.1	168.6	168.3	168.6	169.6	169.9	170.5
Motor Vehicles, Parts, and Supplies	22.8	22.6	22.5	22.6	22.7	22.9	23.0	23.0	22.9	22.8	22.9	22.9	22.9
Professional and Commercial Equipment	32.1	31.4	31.6	31.7	31.9	31.9	32.1	32.3	32.3	32.4	32.6	32.7	32.7
Metals and Minerals, Except Petroleum	11.2	11.3	11.3	11.4	11.1	11.1	11.2	11.2	11.2	11.2	11.3	11.2	11.3
Electrical Goods	18.5	18.3	18.3	18.3	18.4	18.3	18.5	18.5	18.5	18.5	18.7	18.8	18.8
Hardware, Plumbing and Heating Equipment	12.6	12.3	12.3	12.4	12.5	12.6	12.6	12.7	12.7	12.6	12.7	12.8	12.8

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Machinery, Equipment, and Supplies	41.7	40.6	40.9	41.3	41.0	41.4	41.9	42.0	41.9	42.0	42.2	42.3	42.4
Wholesale Trade-Nondurable Goods	96.6	94.3	94.2	94.9	94.8	95.8	97.1	97.2	97.4	97.4	98.3	98.6	99.1
Groceries and Related Products	31.8	31.0	30.9	31.3	31.2	31.4	31.9	31.8	31.9	32.0	32.4	32.5	32.8
Retail Trade	904.2	868.9	864.6	877.8	886.2	899.5	909.2	910.3	915.4	916.8	919.7	933.3	949.1
Building Materials and Garden Supplies	34.5	31.1	31.1	32.7	34.5	36.2	36.7	36.1	35.7	35.4	35.1	35.0	35.0
Lumber and Other Building Materials	17.5	15.9	16.0	16.7	17.0	17.8	18.3	18.4	18.4	18.2	18.0	17.8	17.6
General Merchandise Stores	125.4	120.7	119.6	122.2	121.9	121.8	122.6	122.9	123.6	124.7	127.9	135.6	141.5
Department Stores	101.6	96.8	96.4	98.8	98.8	98.7	99.7	100.1	100.4	101.1	103.8	110.3	115.1
Variety Stores	13.7	13.7	13.5	13.6	13.3	13.3	13.1	13.1	13.4	13.7	14.0	14.6	14.9
Food Stores	140.0	136.4	135.5	136.4	137.4	138.8	140.4	140.9	140.8	141.4	141.8	143.7	145.9
Grocery Stores	123.6	120.8	120.0	120.5	121.8	122.7	123.9	124.5	124.3	124.9	125.2	126.5	127.9
Automotive Dealers and Service Stations	98.9	96.0	95.9	96.6	97.5	99.0	99.7	100.3	100.8	100.7	100.6	100.1	100.1
New and Used Car Dealers	43.9	43.1	43.0	43.4	43.5	43.7	43.9	44.1	44.3	44.4	44.7	44.4	44.2
Gasoline Service Stations	33.9	32.6	32.5	32.6	32.8	33.7	34.1	34.3	34.5	34.6	34.8	34.8	35.2
Apparel and Accessory Stores	48.4	47.2	45.8	46.4	46.4	46.9	47.3	47.3	48.7	49.0	50.1	51.6	54.3
Furniture and Homefurnishings Stores	31.8	31.4	31.0	31.1	31.1	31.1	31.3	31.3	31.6	31.8	32.4	33.2	34.1
Eating and Drinking Places	310.2	294.2	294.9	300.8	306.5	314.0	318.6	318.0	319.6	318.3	313.5	311.9	312.4
Miscellaneous Retail	115.0	111.9	110.7	111.5	111.0	111.8	112.7	113.4	114.6	115.5	118.2	122.3	125.9
Drug Stores and Proprietary Stores	30.7	29.6	29.6	29.7	30.1	30.2	30.6	30.8	30.9	31.0	31.3	31.8	32.3
Nonstore Retailers	21.9	21.5	21.7	21.7	20.8	20.8	21.1	21.2	21.4	21.9	22.5	23.7	24.0
Finance, Insurance, and Real Estate	252.6	247.9	248.3	249.8	249.4	251.2	254.2	255.9	256.1	254.9	254.1	254.3	254.7
Finance	119.6	118.0	118.2	119.0	118.5	119.1	120.3	121.1	121.1	120.5	119.7	119.8	120.3
Depository Institutions	90.6	89.7	89.6	90.1	89.7	90.1	91.2	91.9	91.8	91.2	90.5	90.6	90.9
Commercial Banks	63.3	62.1	62.1	62.7	62.6	63.0	63.9	64.3	64.4	64.0	63.6	63.6	63.8
Insurance	91.0	90.0	90.2	90.4	90.3	90.3	91.0	91.2	91.3	91.3	91.6	92.0	92.0
Insurance Carriers	69.8	69.3	69.4	69.4	69.4	69.3	69.8	70.0	70.0	70.0	70.0	70.4	70.3
Life Insurance	25.9	25.8	25.8	25.8	25.9	25.8	25.9	25.8	25.8	25.8	25.9	26.0	26.0
Fire, Marine, and Casualty Insurance	30.6	30.3	30.2	30.2	30.2	30.2	30.5	30.8	30.8	31.0	30.9	31.1	31.1
Real Estate	42.0	39.9	39.9	40.5	40.6	41.8	42.9	43.6	43.8	43.1	42.8	42.5	42.4
Services	1140.8	1092.4	1104.6	1118.2	1131.3	1142.5	1157.8	1158.8	1160.0	1165.8	1156.2	1152.0	1150.5
Hotels and Other Lodging Places	38.2	35.7	36.3	37.3	37.0	38.4	39.8	40.4	40.7	39.5	38.0	37.6	37.4
Personal Services	53.7	53.9	54.5	55.1	55.2	52.4	52.7	52.6	52.7	53.3	53.7	53.9	54.7
Business Services	203.5	192.6	194.1	197.7	198.3	200.9	203.2	207.0	208.3	209.8	210.6	209.5	210.3
Services to Buildings	32.0	30.4	31.1	31.4	31.8	32.0	32.1	32.4	32.6	33.0	32.7	32.6	32.4
Personnel Supply Services	70.2	63.4	63.9	66.5	67.8	69.4	70.2	72.3	73.1	74.1	74.2	73.3	73.8
Computer and Data Processing Services	25.3	24.1	24.3	24.6	24.8	25.0	25.1	25.7	25.9	26.0	26.3	26.2	26.4
Amusements, Including Motion Pictures	56.9	43.5	44.0	46.9	55.2	63.8	72.4	74.1	73.7	67.6	50.5	46.4	44.9

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Health Services	384.5	376.4	377.7	379.3	379.9	381.4	385.0	387.6	388.5	388.7	389.1	390.0	391.0
Nursing and Personal Care Facilities	83.2	81.5	81.8	82.1	82.1	82.6	83.3	83.7	84.1	84.3	84.1	84.5	84.7
Hospitals	187.2	184.5	184.8	185.4	185.7	186.0	187.6	188.9	189.0	188.7	188.4	188.7	188.9
Legal Services	28.5	27.7	27.8	28.0	27.8	28.1	29.0	29.0	29.0	28.6	28.9	29.0	29.2
Educational Services	61.0	63.0	68.1	66.9	66.3	62.7	55.9	48.5	47.2	58.6	64.6	66.0	63.9
Colleges and Universities	33.9	35.4	40.0	38.7	38.5	34.8	28.8	24.4	23.7	32.0	36.8	37.9	35.8
Social Services	72.5	70.8	71.4	71.9	71.6	71.9	71.9	72.0	72.2	73.4	74.0	74.5	75.2
Residential Care	22.0	21.4	21.5	21.7	21.7	21.8	22.0	22.2	22.4	22.3	22.3	22.4	22.7
Membership Organizations	78.3	75.7	76.4	77.1	77.7	78.2	79.7	79.1	79.4	78.8	79.1	79.1	79.4
Engineering and Management Services	85.4	83.8	84.9	85.2	84.7	84.4	85.7	86.0	86.2	85.6	85.9	86.2	86.8
Engineering and Architectural Services	26.0	25.2	25.3	25.4	25.6	25.8	26.4	26.7	26.7	26.4	26.2	26.2	26.4
Accounting, Auditing, and Bookkeeping	21.3	21.5	22.0	21.9	21.6	20.8	20.8	20.9	20.9	20.8	21.2	21.3	21.5
Research and Testing Services	18.8	18.3	18.4	18.5	18.4	18.6	18.9	19.0	19.2	18.9	19.0	19.1	19.1
Management and Public Relations	19.4	18.8	19.1	19.4	19.2	19.2	19.6	19.3	19.4	19.4	19.6	19.7	19.7
Government	705.7	702.0	713.2	720.3	716.6	723.0	703.2	663.8	655.8	693.6	721.2	726.5	729.7
Federal Government	96.8	95.5	95.3	95.5	96.4	97.0	97.9	97.9	98.1	96.9	97.0	96.6	97.4
U.S. Postal Service	34.6	35.1	34.9	34.9	34.9	34.8	34.9	34.6	34.5	34.1	34.2	34.1	34.8
State Government	157.9	156.4	160.3	165.9	165.2	164.3	154.1	140.7	138.7	149.4	164.7	166.5	169.1
State Government Hospitals	15.8	15.5	15.6	15.6	15.6	15.6	15.7	16.0	15.9	15.9	16.0	15.9	16.0
State Government Education[e]	82.2	82.6	86.5	91.0	89.6	88.9	77.1	62.3	61.1	73.1	89.7	91.6	93.4
Local Government	451.0	450.1	457.6	459.0	455.0	461.7	451.2	425.2	419.0	447.4	459.4	463.3	463.2
Local Government Hospitals	14.4	14.4	14.3	14.3	12.2[f]	14.4	14.6	14.8	14.8	14.8	14.8	14.8	14.8
Local Government Education	263.4	266.3	273.8	274.5	271.7	274.9	257.4	228.2	223.9	260.1	273.8	277.8	277.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-0 (1989)

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$12.64	$12.57	$12.56	$12.56	$12.57	$12.57	$12.58	$12.53	$12.59	$12.60	$12.86	$12.85	$12.87
Mining	13.28	13.03	13.09	13.26	13.30	13.20	13.27	12.20	13.35	13.50	13.54	13.58	13.81
Coal Mining	16.55	16.22	16.27	16.45	16.50	16.50	16.62	16.15	16.57	16.75	16.85	16.65	16.77
Construction	15.36	15.07	15.01	15.25	15.25	15.27	15.34	15.33	15.42	15.41	15.60	15.51	15.67
General Building Contractors	13.65	13.55	13.36	13.47	13.56	13.59	13.58	13.64	13.69	13.77	13.88	13.77	13.79
Heavy Construction, Except Building	16.10	15.52	15.65	17.27	16.79	16.69	16.35	16.01	16.03	15.81	16.12	15.52	15.33
Special Trade Contractors	15.82	15.58	15.53	15.51	15.53	15.56	15.79	15.77	15.89	15.90	16.07	16.11	16.32
Manufacturing	12.26	12.21	12.19	12.24	12.21	12.23	12.28	12.16	12.22	12.33	12.29	12.34	12.38
Durable Goods[b]	12.61	12.61	12.57	12.62	12.54	12.57	12.63	12.47	12.53	12.69	12.63	12.68	12.73
Lumber and Wood Products	8.15	7.88	7.83	7.97	8.14	8.18	8.21	8.16	8.21	8.25	8.28	8.31	8.30
Millwork, Plywood and Structural Members	8.51	8.31	8.23	8.42	8.48	8.42	8.53	8.45	8.54	8.65	8.62	8.74	8.66
Furniture and Fixtures	9.20	9.02	9.00	9.04	9.19	9.26	9.19	9.22	9.23	9.24	9.40	9.43	9.22
Stone, Clay, and Glass Products	11.21	11.15	11.03	11.13	11.17	11.14	11.23	11.23	11.22	11.21	11.37	11.37	11.19
Primary Metal Industries	14.05	14.03	13.93	13.94	14.03	14.01	14.08	13.96	14.06	14.23	14.13	14.13	14.11
Blast Furnace and Basic Steel Products	14.32	14.25	14.27	14.35	14.35	14.29	14.45	14.32	14.35	14.31	14.25	14.29	14.36
Iron and Steel Foundries	14.62	14.87	14.51	14.45	14.67	14.69	14.48	14.14	14.48	15.00	14.74	14.62	14.72
Nonferrous Rolling and Drawing	15.53	15.25	15.14	15.15	15.31	15.29	15.49	15.62	15.78	15.97	15.90	15.92	15.63
Nonferrous Foundries	10.49	10.50	10.50	10.40	10.46	10.54	10.43	10.35	10.43	10.59	10.49	10.56	10.65
Fabricated Metal Products	12.04	12.06	12.00	12.01	12.02	12.08	11.96	12.01	11.90	12.28	12.09	12.12	12.00
Fabricated Structural Metal Products	10.91	11.02	10.85	10.77	10.78	10.82	10.82	10.77	10.78	10.86	10.99	11.34	11.03
Metal Forgings and Stampings	14.59	14.42	14.36	14.46	14.49	14.66	14.48	14.68	14.43	15.16	14.75	14.63	14.53
Industrial Machinery and Equipment	12.25	12.30	12.23	12.25	12.21	12.24	12.23	12.12	12.14	12.28	12.30	12.32	12.35
Construction and Related Machinery	10.82	10.57	10.68	10.66	10.71	10.72	10.80	10.68	10.78	10.91	10.98	11.13	11.22
Metalworking Machinery	11.86	11.88	11.86	11.82	11.79	11.79	11.82	11.79	11.82	11.89	11.92	11.96	11.95
Special Industry Machinery	11.59	11.49	11.48	11.46	11.45	11.44	11.58	11.46	11.58	11.69	11.75	11.72	11.94
General Industrial Machinery	13.29	13.05	13.04	13.23	13.22	13.25	13.35	13.27	13.29	13.46	13.75	13.35	13.37
Computer and Office Equipment	11.13	11.04	11.11	11.12	11.10	11.08	11.08	11.11	11.21	11.23	11.10	11.14	11.24
Refrigeration and Service Machinery	14.04	14.59	14.19	14.32	14.19	14.37	13.92	13.72	13.59	13.73	13.81	13.94	13.97
Electronic and Other Electric Equipment	11.11	11.17	11.08	11.11	11.08	11.07	11.06	11.02	11.11	11.14	11.12	11.14	11.17
Electrical Industrial Apparatus	10.33	10.41	10.30	10.37	10.31	10.27	10.24	10.24	10.27	10.34	10.36	10.39	10.42
Household Appliances	12.08	12.10	12.04	12.14	12.13	12.17	12.21	12.02	12.04	12.07	12.01	11.94	12.12
Electric Lighting and Wiring Equipment	11.62	11.72	11.55	11.59	11.69	11.64	11.53	11.40	11.64	11.57	11.64	11.71	11.69
Electronic Components and Accessories	8.36	8.79	8.68	8.63	8.40	8.31	8.29	8.18	8.22	8.20	8.25	8.17	8.17
Transportation Equipment	15.69	15.46	15.57	15.69	15.43	15.52	15.85	15.52	15.66	15.87	15.85	15.91	15.97
Motor Vehicles and Equipment	16.14	15.97	16.07	16.20	15.87	15.96	16.33	15.91	16.06	16.31	16.28	16.30	16.43
Aircraft and Parts	14.59	13.98	14.17	14.21	14.38	14.39	14.61	14.88	14.80	14.86	14.98	15.24	14.60
Instruments and Related Products	9.45	9.18	9.34	9.44	9.45	9.47	9.50	9.52	9.54	9.49	9.46	9.54	9.52
Measuring and Controlling Devices	9.49	9.31	9.45	9.51	9.60	9.54	9.51	9.59	9.60	9.45	9.46	9.46	9.46
Nondurable Goods[c]	11.44	11.25	11.30	11.33	11.39	11.40	11.47	11.46	11.50	11.50	11.52	11.54	11.59
Food and Kindred Products	10.94	10.68	10.71	10.74	10.89	10.93	11.07	11.01	11.10	10.88	10.96	11.08	11.16
Dairy Products	10.93	10.64	10.75	10.56	10.77	10.83	10.97	10.95	10.94	11.23	10.94	11.17	11.35
Preserved Fruits and Vegetables	11.57	11.49	11.63	11.65	11.58	11.44	11.67	11.69	11.66	11.04	11.49	11.71	12.07
Bakery Products	12.07	11.87	11.77	11.89	11.91	12.02	12.11	12.07	12.13	12.13	12.15	12.38	12.36
Apparel and Other Textile Products	7.87	7.95	7.79	7.93	7.89	7.93	7.96	7.96	7.85	7.84	7.73	7.85	7.78
Paper and Allied Products	11.43	11.36	11.36	11.37	11.40	11.36	11.39	11.44	11.44	11.58	11.40	11.43	11.61
Paperboard Containers and Boxes	10.21	10.28	10.23	10.10	10.10	10.19	10.18	10.07	10.27	10.32	10.26	10.22	10.33

See footnotes at end of table.

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a] (continued)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$10.34	$10.11	$10.18	$10.30	$10.34	$10.13	$10.29	$10.52	$10.31	$10.36	$10.32	$10.43	$10.74
Printing and Publishing	11.59	11.44	11.55	11.56	11.45	11.47	11.45	11.49	11.55	11.70	11.72	11.79	11.82
Newspapers	11.26	11.06	11.11	11.20	11.21	11.22	11.08	11.12	11.26	11.35	11.39	11.51	11.56
Commercial Printing	11.15	10.99	11.10	11.20	10.94	11.01	11.05	10.97	11.07	11.31	11.30	11.39	11.46
Chemicals and Allied Products	13.72	13.45	13.54	13.55	13.67	13.65	13.69	13.70	13.81	13.81	13.92	13.87	14.02
Plastics Materials and Synthetics	15.11	14.68	14.87	14.94	15.12	15.08	14.90	15.10	15.29	15.32	15.41	15.14	15.43
Rubber and Miscellaneous Plastics Products	10.57	10.53	10.49	10.51	10.53	10.58	10.69	10.64	10.61	10.63	10.53	10.56	10.60
Tires and Inner Tubes	15.34	14.85	15.01	15.18	15.22	15.18	15.45	15.42	15.54	15.47	15.49	15.60	15.69
Miscellaneous Plastics Products	10.29	10.31	10.26	10.23	10.23	10.32	10.43	10.36	10.27	10.33	10.17	10.22	10.30
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.33	14.02	13.96	14.08	14.15	14.18	14.30	14.41	14.47	14.61	14.64	14.54	14.54
Communications	13.93	13.62	13.59	13.67	13.74	13.80	13.96	14.00	14.20	14.26	14.17	14.13	14.04
Electric, Gas, and Sanitary Services	14.76	14.46	14.36	14.51	14.60	14.60	14.67	14.86	14.76	15.00	15.15	14.98	15.07
Wholesale Trade	10.31	10.19	10.18	10.19	10.22	10.29	10.28	10.33	10.39	10.40	10.39	10.41	10.45
Wholesale Trade-Durable Goods	10.06	9.92	9.93	9.94	9.98	10.03	10.01	10.09	10.12	10.13	10.14	10.15	10.26
Motor Vehicles, Parts, and Supplies	9.00	8.91	8.84	8.90	9.07	9.10	8.98	8.97	9.11	8.94	9.01	9.01	9.13
Metals and Minerals, Except Petroleum	10.78	10.72	10.63	10.51	10.53	10.66	10.72	10.77	10.81	10.95	10.98	10.97	11.08
Wholesale Trade-Nondurable Goods	10.74	10.65	10.63	10.61	10.63	10.74	10.73	10.73	10.84	10.87	10.82	10.86	10.76
Retail Trade[d]	6.13	6.05	6.06	6.08	6.09	6.09	6.09	6.10	6.09	6.18	6.20	6.23	6.24
General Merchandise Stores	6.39	6.29	6.35	6.31	6.41	6.39	6.34	6.37	6.38	6.47	6.46	6.41	6.47
Department Stores	6.51	6.44	6.48	6.43	6.51	6.51	6.44	6.48	6.51	6.56	6.57	6.52	6.59
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Business Services	6.79	6.62	6.64	6.62	6.73	6.69	6.72	6.85	6.74	6.81	6.92	7.04	7.08
Health Services	9.42	9.24	9.27	9.22	9.22	9.34	9.42	9.44	9.45	9.52	9.58	9.62	9.68
Nursing and Personal Care Facilities	6.20	6.00	6.05	6.07	6.08	6.12	6.21	6.27	6.23	6.32	6.31	6.36	6.38
Hospitals	10.83	10.50	10.59	10.63	10.66	10.71	10.78	10.87	10.89	11.03	11.06	11.11	11.13
Engineering and Management Services	12.78	11.95	12.03	12.06	12.29	12.88	12.88	13.08	13.18	13.31	13.10	13.11	13.41
Engineering and Architectural Services	19.01	16.95	17.19	17.28	18.00	19.79	19.60	19.85	19.77	19.72	20.01	19.95	20.17
Research and Testing Services	10.10	9.80	9.88	9.84	9.69	9.91	10.08	10.09	10.22	10.45	10.41	10.35	10.44

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-0 (1989)

1

Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	41.7	42.5	42.6	42.3	41.7	41.4	40.9	41.3	40.7	40.5	42.1	42.1	41.9
Mining	44.2	43.5	42.6	43.3	43.9	44.1	43.4	44.9	44.6	45.4	45.2	44.7	44.1
Coal Mining	43.5	42.9	42.8	42.6	42.7	42.9	42.2	42.5	43.7	45.1	44.9	44.5	45.1
Construction	39.1	38.2	37.3	39.1	40.1	38.5	37.9	40.2	40.6	39.5	40.3	38.9	38.4
General Building Contractors	39.5	39.2	38.4	39.0	39.2	39.0	39.8	40.2	40.2	39.8	39.8	39.6	39.2
Heavy Construction, Except Building	40.7	38.8	37.6	43.8	44.1	40.5	37.8	42.7	43.3	40.5	42.2	38.1	37.6
Special Trade Contractors	38.7	37.6	36.7	38.3	39.7	37.9	37.1	39.6	40.0	39.1	40.0	38.9	38.3
Manufacturing	42.7	43.2	43.0	42.9	42.7	42.7	42.9	41.9	42.1	42.7	42.4	42.7	42.6
Durable Goods[b]	43.0	43.7	43.5	43.5	43.2	43.2	43.3	42.2	42.3	43.0	42.7	43.0	42.9
Lumber and Wood Products	40.5	39.7	39.6	40.2	40.9	41.2	41.6	40.2	40.5	40.6	40.2	40.4	40.4
Millwork, Plywood and Structural Members	42.2	40.0	40.6	41.9	42.9	41.6	43.1	40.7	42.6	43.7	42.3	43.8	43.3
Furniture and Fixtures	41.1	39.4	41.0	40.7	41.8	41.8	42.1	40.6	41.1	41.0	41.5	41.3	40.9
Stone, Clay, and Glass Products	42.7	42.5	42.6	42.7	42.8	42.5	42.7	42.5	42.8	42.5	43.1	43.0	42.1
Primary Metal Industries	44.1	44.9	44.5	44.6	44.5	44.3	44.9	43.5	43.6	44.2	43.2	43.6	43.8
Blast Furnace and Basic Steel Products	44.3	44.5	44.7	45.0	44.6	44.4	45.8	44.5	44.3	43.7	42.9	43.0	44.1
Iron and Steel Foundries	44.3	47.0	45.1	44.8	45.1	45.1	44.5	42.3	42.7	44.3	43.3	43.4	43.3
Nonferrous Rolling and Drawing	42.3	43.2	42.3	41.7	42.6	42.2	42.3	41.6	41.7	43.8	42.5	43.2	40.8
Nonferrous Foundries	44.6	44.6	45.7	46.1	44.7	44.8	44.7	42.4	43.5	44.7	43.5	44.8	45.7
Fabricated Metal Products	42.2	42.8	42.5	42.4	42.4	42.6	42.3	41.5	41.2	42.6	42.0	42.3	41.9
Fabricated Structural Metal Products	41.5	40.3	40.2	40.4	40.9	41.4	41.9	41.3	41.9	42.0	42.1	43.5	42.4
Metal Forgings and Stampings	43.1	43.9	44.1	44.2	44.1	44.2	42.7	42.0	41.1	44.3	42.3	42.3	41.6
Industrial Machinery and Equipment	43.6	44.9	44.4	44.3	44.1	43.9	43.8	42.5	42.5	43.0	43.0	43.4	43.6
Construction and Related Machinery	40.9	40.8	41.3	41.1	41.4	41.0	41.2	39.4	40.2	40.6	40.7	41.4	41.7
Metalworking Machinery	44.5	45.7	45.2	44.7	44.7	44.2	44.4	43.6	43.5	43.8	44.3	45.1	45.0
Special Industry Machinery	44.7	44.5	44.8	45.3	45.1	45.0	45.3	42.4	43.5	44.3	45.0	45.2	45.5
General Industrial Machinery	43.6	44.6	44.5	44.2	43.7	44.1	44.4	42.5	42.9	43.0	43.5	42.5	43.3
Computer and Office Equipment	42.0	41.8	41.0	40.3	40.7	41.4	42.7	42.8	44.3	42.4	42.2	41.7	42.2
Refrigeration and Service Machinery	42.6	45.7	43.9	44.1	44.0	44.5	42.8	42.0	40.2	40.7	40.4	41.6	41.2
Electronic and Other Electric Equipment	41.4	42.3	41.7	41.4	41.3	41.3	41.2	40.4	41.2	41.2	41.4	41.5	41.4
Electrical Industrial Apparatus	42.9	43.6	43.3	43.5	43.5	43.3	43.0	42.0	42.1	42.5	42.7	43.1	42.5
Household Appliances	40.2	41.8	40.8	39.5	39.3	40.3	41.0	40.5	40.7	39.4	40.3	39.0	40.1
Electric Lighting and Wiring Equipment	40.4	41.6	41.3	41.3	41.2	40.3	40.1	38.5	39.9	40.0	40.2	40.5	39.9
Electronic Components and Accessories	41.3	42.8	42.3	41.8	41.3	41.0	41.0	39.6	40.8	41.1	41.1	41.5	40.9
Transportation Equipment	44.9	45.4	45.8	46.1	44.3	44.6	45.0	43.6	43.6	45.4	44.9	45.3	44.9
Motor Vehicles and Equipment	45.3	45.7	46.2	46.8	44.3	45.1	45.4	43.8	43.9	45.9	45.4	45.5	45.7
Aircraft and Parts	44.6	45.7	45.7	44.7	45.8	43.6	44.5	43.9	43.4	44.5	45.1	46.5	42.2
Instruments and Related Products	40.6	40.5	39.9	40.5	39.9	40.5	40.6	41.0	41.3	40.7	40.5	40.6	40.8
Measuring and Controlling Devices	40.0	39.8	38.8	39.7	39.4	39.8	39.7	40.6	40.8	40.3	40.1	40.3	40.3
Nondurable Goods[c]	41.8	42.1	41.9	41.6	41.6	41.5	42.0	41.4	41.6	42.1	41.9	42.0	41.9
Food and Kindred Products	41.9	41.3	41.1	41.8	41.8	41.6	42.3	42.0	42.2	42.1	41.7	42.2	42.4
Dairy Products	42.8	42.5	42.8	41.8	43.1	42.4	43.4	42.8	42.4	43.5	41.9	43.0	44.1
Preserved Fruits and Vegetables	42.1	42.4	41.6	42.6	41.9	40.5	42.1	41.8	43.4	41.7	42.3	42.0	43.1
Bakery Products	39.3	39.2	39.2	39.2	38.7	38.6	39.9	39.5	38.9	39.1	39.3	40.2	39.2
Apparel and Other Textile Products	38.0	39.5	39.1	38.3	37.8	37.5	37.3	36.8	36.7	38.3	38.4	38.0	37.8
Paper and Allied Products	43.7	44.5	43.3	43.7	43.4	42.8	43.4	43.3	43.4	44.4	43.7	43.9	44.7
Paperboard Containers and Boxes	42.3	43.6	41.4	42.3	42.0	41.6	42.3	41.7	42.0	42.2	42.8	42.8	42.8

See footnotes at end of table.

Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a] (continued)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	43.6	44.2	43.5	43.5	43.3	42.0	42.7	43.4	42.9	44.2	43.8	44.3	45.8
Printing and Publishing	39.5	38.9	39.1	39.3	39.2	38.9	39.1	39.1	38.8	40.0	39.9	40.6	40.8
Newspapers	33.9	33.1	33.4	33.2	33.6	34.0	33 5	33.5	34.0	34.4	34.3	35.0	35.1
Commercial Printing	40.9	40.3	40.4	40.6	40.0	39.7	40.9	40.4	39.8	41.9	42.0	42.2	42.3
Chemicals and Allied Products	42.8	42.8	43.4	42.6	42.4	42.1	43.1	42.1	42.7	42.6	42.8	42.8	43.6
Plastics Materials and Synthetics	44.5	45.9	45.1	44.6	44.5	43.7	44.4	44.2	44.8	44.6	44.8	43.3	44.7
Rubber and Miscellaneous Plastics Products	42.2	43.6	42.9	42.0	42.2	42.6	43.0	41.9	41.9	42.5	41.8	41.7	40.9
Tires and Inner Tubes	45.5	44.4	44.4	45.7	45.9	45.9	47.3	46.2	46.6	44.7	44.1	44.9	45.8
Miscellaneous Plastics Products	41.9	43.7	43.1	41.7	41.9	42.5	42.7	41.3	41.2	42.2	41.1	40.8	40.2
Service-Producing Industries	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.2	40.6	40.2	40.4	40.7	40.7	41.4	41.6	41.6	41.9	41.4	41.0	42.3
Communications	40.3	39.7	39.2	39.2	39.7	40.0	41.0	41.2	41.4	41.4	40.3	40.5	40.0
Electric, Gas, and Sanitary Services	42.1	41.6	41.3	41.8	41.8	41.6	41.8	42.1	41.9	42.4	42.7	41.6	44.9
Wholesale Trade	39.2	39.2	39.1	39.0	39.0	39.1	39.0	39.3	39.2	39.3	39.2	39.3	39.3
Wholesale Trade-Durable Goods	39.1	39.3	39.2	39.0	38.8	39.0	38.9	39.0	39.1	39.3	39.2	39.1	39.2
Motor Vehicles, Parts, and Supplies	37.5	37.2	37.5	37.0	36.3	37.1	37.0	37.9	37.3	37.6	38.3	38.2	39.1
Metals and Minerals, Except Petroleum	42.4	43.4	42.7	42.1	42.1	42.6	42.0	41.9	42.4	42.7	42.3	42.3	41.8
Wholesale Trade-Nondurable Goods	39.3	39.0	39.0	39.1	39.3	39.2	39.3	39.6	39.4	39.3	39.1	39.5	39.4
Retail Trade	28.5	28.2	28.2	28.3	28.3	28.6	28.8	29.1	29.0	28.4	28.2	28.1	28.7
General Merchandise Stores	28.7	28.1	27.9	28.1	28.2	28.4	28.9	29.2	29.0	28.8	28.5	28.2	31.0
Department Stores	29.0	28.3	28.4	28.6	28.7	28.9	29.3	29.4	29.2	29.1	28.8	28.2	31.3
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Business Services	31.8	31.5	31.7	31.6	31.7	31.6	31.9	31.8	32.0	31.6	31.9	32.1	32.0
Health Services	31.8	31.8	31.7	31.8	31.8	31.9	32.0	31.9	31.8	31.9	31.6	31.8	31.7
Nursing and Personal Care Facilities	31.6	31.5	31.3	31.6	31.6	31.5	31.6	31.8	31.5	31.6	31.5	31.9	31.7
Hospitals	32.6	33.0	32.7	32.6	32.5	32.5	32.6	32.7	32.7	32.8	32.4	32.6	32.6
Engineering and Management Services	35.1	35.9	36.3	36.3	35.7	35.1	34.4	34.2	34.7	34.5	34.6	34.9	35.3
Engineering and Architectural Services	32.5	34.7	34.5	35.1	33.2	31.8	31.4	31.0	31.5	31.7	31.4	31.3	32.7
Research and Testing Services	35.2	34.5	35.6	35.2	35.7	35.4	33.6	33.9	34.8	34.7	35.8	36.7	36.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-0 (1989)

Ohio

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$527.09	$534.23	$535.06	$531.29	$524.17	$520.40	$514.52	$517.49	$512.41	$510.30	$541.41	$540.99	$539.25
Mining	586.98	566.81	557.63	574.16	583.87	582.12	575.92	547.78	595.41	612.90	612.01	607.03	609.02
Coal Mining	719.93	695.84	696.36	700.77	704.55	707.85	701.36	686.38	724.11	755.43	756.57	740.93	756.33
Construction	600.58	575.67	559.87	596.28	611.53	587.90	581.39	616.27	626.05	608.70	628.68	603.34	601.73
General Building Contractors	539.18	531.16	513.02	525.33	531.55	530.01	540.48	548.33	550.34	548.05	552.42	545.29	540.57
Heavy Construction, Except Building	655.27	602.18	588.44	756.43	740.44	675.95	618.03	683.63	694.10	640.31	680.26	591.31	576.41
Special Trade Contractors	612.23	585.81	569.95	594.03	616.54	589.72	585.81	624.49	635.60	621.69	642.80	626.68	625.06
Manufacturing	523.50	527.47	524.17	525.10	521.37	522.22	526.81	509.50	514.46	526.49	521.10	526.92	527.39
Durable Goods[b]	542.23	551.06	546.80	548.97	541.73	543.02	546.88	526.23	530.02	545.67	539.30	545.24	546.12
Lumber and Wood Products	330.08	312.84	310.07	320.39	332.93	337.02	341.54	328.03	332.51	334.95	332.86	335.72	335.32
Millwork, Plywood and Structural Members	359.12	332.40	334.14	352.80	363.79	350.27	367.64	343.92	363.80	378.01	364.63	382.81	374.98
Furniture and Fixtures	378.12	355.39	369.00	367.93	384.14	387.07	386.90	374.33	379.35	378.84	390.10	389.46	377.10
Stone, Clay, and Glass Products	478.67	473.88	469.88	475.25	478.08	473.45	479.52	477.28	480.22	476.43	490.05	488.91	471.10
Primary Metal Industries	619.61	629.95	619.89	621.72	624.34	620.64	632.19	607.26	613.02	628.97	610.42	616.07	618.02
Blast Furnace and Basic Steel Products	634.38	634.13	637.87	645.75	640.01	634.48	661.81	637.24	635.71	625.35	611.33	614.47	633.28
Iron and Steel Foundries	647.67	698.89	654.40	647.36	661.62	662.52	644.36	598.12	618.30	664.50	638.24	634.51	637.38
Nonferrous Rolling and Drawing	656.92	658.80	640.42	631.76	652.21	645.24	655.23	649.79	658.03	699.49	675.75	687.74	637.70
Nonferrous Foundries	467.85	468.30	479.85	479.44	467.56	472.19	466.22	438.84	453.71	473.37	456.32	473.09	486.71
Fabricated Metal Products	508.09	516.17	510.00	509.22	509.65	514.61	505.91	498.42	490.28	523.13	507.78	512.68	502.80
Fabricated Structural Metal Products	452.77	444.11	436.17	435.11	440.90	447.95	453.36	444.80	451.68	456.12	462.68	493.29	467.67
Metal Forgings and Stampings	628.83	633.04	633.28	639.13	639.01	647.97	618.30	616.56	593.07	671.59	623.93	618.85	604.45
Industrial Machinery and Equipment	534.10	552.27	543.01	542.68	538.46	537.34	535.67	515.10	515.95	528.04	528.90	534.69	538.46
Construction and Related Machinery	442.54	431.26	441.08	438.13	443.39	439.52	444.96	420.79	433.36	442.95	446.89	460.78	467.87
Metalworking Machinery	527.77	542.92	536.07	528.35	527.01	521.12	524.81	514.04	514.17	520.78	528.06	539.40	537.75
Special Industry Machinery	518.07	511.31	514.30	519.14	516.40	514.80	524.57	485.90	503.73	517.87	528.75	529.74	543.27
General Industrial Machinery	579.44	582.03	580.28	584.77	577.71	584.33	592.74	563.98	570.14	578.78	598.13	567.38	578.92
Computer and Office Equipment	467.46	461.47	455.51	448.14	451.77	458.71	473.12	475.51	496.60	476.15	468.42	464.54	474.33
Refrigeration and Service Machinery	598.10	666.76	622.94	631.51	624.36	639.47	595.78	576.24	546.32	558.81	557.92	579.90	575.56
Electronic and Other Electric Equipment	459.95	472.49	462.04	459.95	457.60	457.19	455.67	445.21	457.73	458.97	460.37	462.31	462.44
Electrical Industrial Apparatus	443.16	453.88	445.99	451.10	448.49	444.69	440.32	430.08	432.37	439.45	442.37	447.81	442.85
Household Appliances	485.62	505.78	491.23	479.53	476.71	490.45	500.61	486.81	490.03	475.56	484.00	465.66	486.01
Electric Lighting and Wiring Equipment	469.45	487.55	477.02	478.67	481.63	469.09	462.35	438.90	464.44	462.80	467.93	474.26	466.43
Electronic Components and Accessories	345.27	376.21	367.16	360.73	346.92	340.71	339.89	323.93	335.38	337.02	339.08	339.06	334.15
Transportation Equipment	704.48	701.88	713.11	723.31	683.55	692.19	713.25	676.67	682.78	720.50	711.67	720.72	717.05
Motor Vehicles and Equipment	731.14	729.83	742.43	758.16	703.04	719.80	741.38	696.86	705.03	748.63	739.11	741.65	750.85
Aircraft and Parts	650.71	638.89	647.57	635.19	658.60	627.40	650.15	653.23	642.32	661.27	675.60	708.66	616.12
Instruments and Related Products	383.67	371.79	372.67	382.32	377.06	383.54	385.70	390.32	394.00	386.24	383.13	387.32	388.42
Measuring and Controlling Devices	379.60	370.54	366.66	377.55	378.24	379.69	377.55	389.35	391.68	380.84	379.35	381.24	381.24
Nondurable Goods[c]	478.19	473.63	473.47	471.33	473.82	473.10	481.74	474.44	478.40	484.15	482.69	484.68	485.62
Food and Kindred Products	458.39	441.08	440.18	448.93	455.20	454.69	468.26	462.42	468.42	458.05	457.03	467.58	473.18
Dairy Products	467.80	452.20	460.10	441.41	464.19	459.19	476.10	468.66	463.86	488.51	458.39	480.31	500.54
Preserved Fruits and Vegetables	487.10	487.18	483.81	496.29	485.20	463.32	491.31	488.64	506.04	460.37	486.03	491.82	520.22
Bakery Products	474.35	465.30	461.38	466.09	460.92	463.97	483.19	476.77	471.86	474.28	477.50	497.68	484.51
Apparel and Other Textile Products	299.06	314.03	304.59	303.72	298.24	297.38	296.91	292.93	288.10	300.27	296.83	298.30	294.08
Paper and Allied Products	499.49	505.52	491.89	496.87	494.76	486.21	494.33	495.35	496.50	514.15	498.18	501.78	518.97
Paperboard Containers and Boxes	431.88	448.21	423.52	427.23	424.20	423.90	430.61	419.92	431.34	435.50	439.13	437.42	442.12

See footnotes at end of table.

Ohio

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a] (continued)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$450.82	$446.86	$442.83	$448.05	$447.72	$425.46	$439.38	$456.57	$442.30	$457.91	$452.02	$462.05	$491.89
Printing and Publishing	457.81	445.02	451.61	454.31	448.84	446.18	447.70	449.26	448.14	468.00	467.63	478.67	482.26
Newspapers	381.71	366.09	371.07	371.84	376.66	381.48	371.18	372.52	382.84	390.44	390.68	402.85	405.76
Commercial Printing	456.04	442.90	448.44	454.72	437.60	437.10	451.95	443.19	440.59	473.89	474.60	480.66	484.76
Chemicals and Allied Products	587.22	575.66	587.64	577.23	579.61	574.67	590.04	576.77	589.69	588.31	595.78	593.64	611.27
Plastics Materials and Synthetics	672.40	673.81	670.64	666.32	672.84	659.00	661.56	667.42	684.99	683.27	690.37	655.56	689.72
Rubber and Miscellaneous Plastics Products	446.05	459.11	450.02	441.42	444.37	450.71	459.67	445.82	444.56	451.78	440.15	440.35	433.54
Tires and Inner Tubes	697.97	659.34	666.44	693.73	698.60	696.76	730.79	712.40	724.16	691.51	683.11	700.44	718.60
Miscellaneous Plastics Products	431.15	450.55	442.21	426.59	428.64	438.60	445.36	427.87	423.12	435.93	417.99	416.98	414.06
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	590.40	569.21	561.19	568.83	575.91	577.13	592.02	599.46	601.95	612.16	606.10	596.14	615.04
Communications	561.38	540.71	532.73	535.86	545.48	552.00	572.36	576.80	587.88	590.36	571.05	572.27	561.60
Electric, Gas, and Sanitary Services	621.40	601.54	593.07	606.52	610.28	607.36	613.21	625.61	618.44	636.00	646.91	623.17	676.64
Wholesale Trade	404.15	399.45	398.04	397.41	398.58	402.34	400.92	405.97	407.29	408.72	407.29	409.11	410.69
Wholesale Trade-Durable Goods	393.35	389.86	389.26	387.66	387.22	391.17	389.39	393.51	395.69	398.11	397.49	396.87	402.19
Motor Vehicles, Parts, and Supplies	337.50	331.45	331.50	329.30	329.24	337.61	332.26	339.96	339.80	336.14	345.08	344.18	356.98
Metals and Minerals, Except Petroleum	457.07	465.25	453.90	442.47	443.31	454.12	450.24	451.26	458.34	467.57	464.45	464.03	463.14
Wholesale Trade-Nondurable Goods	422.08	415.35	414.57	414.85	417.76	421.01	421.69	424.91	427.10	427.19	423.06	428.97	423.94
Retail Trade[d]	174.71	170.61	170.89	172.06	172.35	174.17	175.39	177.51	176.61	175.51	174.84	175.06	179.09
General Merchandise Stores	183.39	176.75	177.17	177.31	180.76	181.48	183.23	186.00	185.02	186.34	184.11	180.76	200.57
Department Stores	188.79	182.25	184.03	183.90	186.84	188.14	188.69	190.51	190.09	190.90	189.22	183.86	206.27
Finance, Insurance, and Real Estate	342.16	342.58	343.53	341.90	339.47	339.90	339.93	339.74	339.45	340.91	344.88	347.23	346.41
Finance	318.35	317.15	317.42	316.09	317.82	317.13	318.13	319.01	316.83	317.84	320.98	320.91	320.87
Depository Institutions	272.36	273.98	272.03	270.02	271.74	271.02	271.61	274.46	271.04	271.00	273.52	273.72	274.12
Commercial Banks	270.68	274.15	273.34	269.65	270.66	269.74	268.53	271.48	268.54	268.76	269.83	271.45	272.20
Insurance	404.59	400.86	404.12	403.23	397.46	400.77	400.60	400.42	402.94	408.39	411.05	413.73	411.11
Insurance Carriers	391.29	385.83	391.22	391.58	387.50	388.64	389.64	388.29	390.72	393.70	394.80	396.90	396.55
Life Insurance	364.48	356.10	361.21	364.07	363.84	362.83	362.02	363.36	365.36	368.04	369.13	369.07	368.65
Fire, Marine, and Casualty Insurance	414.74	402.20	409.94	408.46	408.33	411.20	414.20	414.29	417.87	418.38	422.11	423.70	425.20
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Business Services	215.92	208.53	210.49	209.19	213.34	211.40	214.37	217.83	215.68	215.20	220.75	225.98	226.56
Health Services	299.56	293.83	293.86	293.20	293.20	297.95	301.44	301.14	300.51	303.69	302.73	305.92	306.86
Nursing and Personal Care Facilities	195.92	189.00	189.37	191.81	192.13	192.78	196.24	199.39	196.25	199.71	198.77	202.88	202.25
Hospitals	353.06	346.50	346.29	346.54	346.45	348.08	351.43	355.45	356.10	361.78	358.34	362.19	362.84
Engineering and Management Services	448.58	429.01	436.69	437.78	438.75	452.09	443.07	447.34	457.35	459.20	453.26	457.54	473.37
Engineering and Architectural Services	617.83	588.17	593.06	606.53	597.60	629.32	615.44	615.35	622.76	625.12	628.31	624.44	659.56
Research and Testing Services	355.52	338.10	351.73	346.37	345.93	350.81	338.69	342.05	355.66	362.62	372.68	379.85	382.10

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [e]Depressed due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-0 (1989)

Ohio

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	4700.6	4545.4	4548.4	4585.7	4670.3	4721.1	4754.8	4717.5	4714.1	4770.0	4781.5	4793.4	4805.3
Goods-Producing Industries	1315.1	1268.1	1261.6	1268.4	1299.1	1313.0	1332.2	1337.9	1340.3	1347.5	1343.8	1339.8	1330.1
Mining	18.9	19.4	18.9	18.8	18.8	18.7	19.1	19.1	19.2	19.1	18.8	18.5	18.3
Coal Mining	7.8	8.2	8.1	7.9	7.8	7.7	7.7	7.6	7.7	7.7	7.7	7.6	7.6
Oil and Gas Extraction	6.4	7.1	6.9	6.6	6.3	6.2	6.4	6.4	6.4	6.3	6.1	6.0	6.1
Construction	185.6	154.1	150.4	159.8	178.7	189.5	198.3	203.6	204.8	204.3	201.8	195.4	186.6
General Building Contractors	46.3	41.5	40.3	41.7	45.0	46.8	49.0	50.0	49.7	49.2	48.4	47.7	46.6
Nonresidential Building Construction	23.7	21.4	20.7	21.5	22.6	23.5	24.6	24.9	25.1	25.3	25.2	25.1	24.8
Heavy Construction, Except Building	22.7	15.5	14.8	16.8	21.7	24.4	25.7	26.6	27.0	27.4	27.5	24.3	20.8
Highway and Street Construction	8.0	4.1	3.8	4.7	7.5	9.4	10.1	10.4	10.5	10.5	9.9	8.8	6.6
Special Trade Contractors	116.6	97.1	95.3	101.3	112.1	118.4	123.6	127.0	128.1	127.7	125.8	123.4	119.3
Manufacturing	1110.6	1094.7	1092.3	1089.7	1101.6	1104.8	1114.8	1115.2	1116.3	1124.1	1123.3	1125.8	1125.1
Durable Goods[c]	747.3	736.9	735.6	732.4	742.7	744.3	750.3	749.1	749.0	754.3	755.5	758.9	758.3
Lumber and Wood Products	22.0	21.0	21.0	21.3	21.8	22.2	22.8	22.7	22.4	22.3	22.5	22.4	22.1
Millwork, Plywood and Structural Members	9.7	9.1	9.1	9.2	9.5	9.8	10.1	10.1	9.9	9.7	9.9	9.9	9.8
Furniture and Fixtures	15.4	14.9	15.0	15.1	15.1	15.2	15.7	15.8	15.7	15.8	15.7	15.6	15.6
Stone, Clay, and Glass Products	46.0	44.3	44.4	45.0	46.2	46.3	46.9	47.2	47.2	46.9	46.3	46.0	45.7
Primary Metal Industries	100.8	98.0	98.7	99.3	99.6	100.2	101.2	99.8	100.7	102.5	102.7	103.0	103.3
Blast Furnace and Basic Steel Products	46.1	45.3	45.6	45.7	45.8	46.1	46.4	46.2	46.2	46.4	46.2	46.3	46.4
Iron and Steel Foundries	19.9	19.3	19.2	19.4	19.2	19.4	19.7	19.7	19.9	20.6	20.8	20.9	21.0
Nonferrous Rolling and Drawing	17.5	16.8	17.1	17.2	17.4	17.5	17.8	16.5	17.8	17.9	17.9	18.0	18.1
Nonferrous Foundries	10.2	9.7	9.7	9.8	10.1	10.1	10.2	10.1	10.0	10.5	10.5	10.5	10.6
Fabricated Metal Products	135.2	131.7	131.9	132.6	134.2	134.9	136.3	135.6	135.5	136.8	137.0	137.5	138.2
Fabricated Structural Metal Products	29.2	28.3	27.7	27.6	28.0	28.5	29.1	29.7	29.9	30.1	30.2	30.3	30.5
Metal Forgings and Stampings	40.7	39.8	40.7	41.2	41.5	41.5	41.7	40.1	39.7	40.3	40.6	40.7	40.9
Industrial Machinery and Equipment	163.9	161.2	160.8	161.8	161.9	162.2	163.8	164.9	164.2	165.4	165.6	166.7	167.5
Construction and Related Machinery	13.7	13.4	13.4	13.3	13.3	13.4	13.7	13.9	14.0	13.9	14.0	14.1	14.2
Metalworking Machinery	47.3	47.5	47.2	47.5	46.9	47.0	47.3	47.6	47.3	47.4	47.2	47.2	47.5
Special Industry Machinery	16.5	16.2	15.8	16.1	16.2	16.2	16.4	16.5	16.7	16.9	16.8	17.1	17.1
General Industrial Machinery	25.6	24.9	25.0	25.1	25.1	25.3	25.5	26.1	26.0	26.2	26.0	26.2	26.2
Computer and Office Equipment	12.2	12.2	12.2	12.2	12.3	12.2	12.3	12.4	12.2	12.1	12.1	12.0	12.0
Refrigeration and Service Machinery	16.0	15.9	15.8	15.9	16.1	15.9	16.0	16.0	15.5	16.0	16.2	16.5	16.5
Electronic and Other Electric Equipment	80.0	79.8	79.6	79.5	79.2	79.5	79.3	79.9	79.9	80.6	80.3	80.9	81.3
Electrical Industrial Apparatus	12.1	11.6	11.6	11.7	11.7	11.8	11.9	12.1	12.3	12.5	12.5	12.5	12.5
Household Appliances	15.8	15.8	15.7	15.6	15.4	15.6	15.4	15.8	15.6	15.8	16.0	16.3	16.4
Electric Lighting and Wiring Equipment	17.1	17.4	17.5	17.5	17.4	17.3	17.2	17.0	16.9	16.9	16.8	16.7	16.8
Electronic Components and Accessories	11.2	11.0	11.0	11.1	11.0	11.0	11.2	11.2	11.4	11.5	11.3	11.4	11.5

See footnotes at end of table.

RS-790-1-0 (1988)

Ohio

Nonagricultural Wage and Salary Employment, 1988[a] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Transportation Equipment	142.8	145.7	144.0	137.2	144.0	143.0	143.2	141.9	141.7	142.3	143.7	144.8	142.7
Motor Vehicles and Equipment	96.0	95.8	95.2	95.7	96.1	95.8	96.3	95.0	94.8	95.4	97.1	98.1	96.6
Aircraft and Parts	38.2	40.9	39.9	32.7	39.0	38.5	38.6	38.7	38.6	38.3	38.0	38.0	37.5
Instruments and Related Products	26.3	25.9	25.9	26.1	26.0	26.0	26.1	26.3	26.6	26.8	26.6	26.8	26.9
Measuring and Controlling Devices	16.1	15.9	15.8	15.9	15.8	15.9	15.9	16.0	16.3	16.3	16.2	16.4	16.4
Nondurable Goods[a]	363.4	357.8	356.7	357.4	358.9	360.5	364.5	366.1	367.3	369.8	367.8	366.9	366.8
Food and Kindred Products	62.5	61.1	60.5	60.9	60.8	61.1	62.3	63.5	64.8	66.1	64.0	62.7	62.6
Dairy Products	9.8	9.4	9.3	9.5	9.7	9.9	10.1	10.4	10.4	9.9	9.6	9.6	9.7
Preserved Fruits and Vegetables	11.2	11.1	10.8	10.8	10.7	10.6	10.9	10.8	12.0	13.7	12.0	10.9	10.6
Bakery Products	9.4	9.1	9.3	9.4	9.1	9.2	9.3	9.5	9.4	9.6	9.6	9.5	9.4
Apparel and Other Textile Products	15.4	15.1	15.1	15.1	15.2	15.3	15.3	15.2	15.4	15.7	15.6	15.7	15.8
Paper and Allied Products	37.4	37.0	36.9	36.9	37.1	37.2	37.5	37.8	37.6	37.8	37.8	37.6	37.9
Paperboard Containers and Boxes	13.3	13.1	13.0	13.0	13.1	13.2	13.3	13.6	13.5	13.6	13.6	13.5	13.5
Miscellaneous Converted Paper Products	12.0	11.8	11.8	11.8	11.9	11.9	12.1	12.1	12.1	12.1	12.1	12.2	12.3
Printing and Publishing	72.5	71.6	71.4	71.3	71.9	72.1	72.7	72.8	72.9	73.0	73.2	73.5	73.7
Newspapers	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.7	18.8	18.8	18.8
Commercial Printing	27.5	27.4	27.6	27.7	27.8	27.7	27.7	27.5	27.6	27.5	27.3	27.2	27.0
Chemicals and Allied Products	64.4	63.9	64.0	64.1	64.0	64.4	64.9	65.3	65.1	64.8	64.0	64.0	64.0
Plastics Materials and Synthetics	9.2	9.0	9.0	9.0	9.0	9.1	9.2	9.3	9.3	9.2	9.2	9.2	9.3
Rubber and Miscellaneous Plastics Products	93.4	91.6	91.8	91.8	92.5	92.8	93.7	93.3	93.5	94.5	95.2	95.6	95.1
Tires and Inner Tubes	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.7	14.6	14.5	14.7	14.6	14.4
Miscellaneous Plastics Products	56.4	55.1	55.2	55.2	55.6	55.8	56.4	56.0	56.3	57.2	57.8	58.1	57.9
Service-Producing Industries	3385.5	3277.3	3286.8	3317.3	3371.2	3408.1	3422.6	3379.6	3373.8	3422.6	3437.7	3453.7	3475.2
Transportation and Public Utilities	212.1	204.9	204.8	206.2	209.6	211.8	214.4	215.7	216.0	215.8	214.8	215.0	215.7
Transportation	122.5	116.8	116.8	117.9	120.9	122.8	124.4	124.9	125.1	125.3	124.6	124.7	125.3
Railroad Transportation	13.3	12.9	12.7	12.8	13.2	13.6	13.6	13.6	13.6	13.5	13.4	13.3	13.2
Trucking and Warehousing	74.8	72.0	72.4	73.1	73.9	74.6	75.5	76.5	76.4	76.0	75.4	75.5	76.3
Transportation by Air	12.1	11.7	11.8	11.8	11.8	11.9	12.1	12.3	12.4	12.5	12.2	12.4	12.6
Communications, Electric, Gas Services	89.6	88.1	88.1	88.3	88.7	89.1	90.1	90.8	90.9	90.4	90.2	90.3	90.4
Communications	47.2	46.8	46.8	46.8	46.8	46.9	47.2	47.4	47.4	47.5	47.6	47.6	47.7
Electric, Gas, and Sanitary Services	42.4	41.4	41.3	41.4	41.8	42.1	42.8	43.3	43.5	42.9	42.6	42.7	42.7
Wholesale Trade	256.4	249.5	249.6	251.2	254.4	256.0	258.2	259.2	258.6	258.6	259.8	260.6	261.6
Wholesale Trade-Durable Goods	162.7	158.9	159.0	159.8	161.3	162.1	163.6	164.3	164.0	164.2	164.9	165.2	165.6
Motor Vehicles, Parts, and Supplies	23.3	23.6	23.5	23.5	23.4	23.4	23.4	23.4	23.3	23.1	23.1	23.0	22.8
Professional and Commercial Equipment	30.9	29.9	30.1	30.1	30.5	30.5	30.7	31.1	31.2	31.4	31.5	31.7	31.8
Metals and Minerals, Except Petroleum	11.0	10.6	10.6	10.[illegible]	10.8	10.8	11.0	11.2	11.1	11.2	11.4	11.3	11.4
Electrical Goods	18.3	18.1	18.2	18.2	18.2	18.3	18.4	18.4	18.3	18.2	18.3	18.5	18.4
Hardware, Plumbing and Heating Equipment	12.1	11.7	11.7	11.9	12.0	12.0	12.2	12.2	12.2	12.2	12.3	12.3	12.4

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1988[a] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Machinery, Equipment, and Supplies	39.9	38.8	38.9	39.2	39.6	39.7	40.2	40.3	40.2	40.4	40.5	40.5	40.8
Wholesale Trade-Nondurable Goods	93.7	90.6	90.6	91.4	93.1	93.9	94.6	94.9	94.6	94.4	94.9	95.4	96.0
Groceries and Related Products	30.4	29.1	29.0	29.3	29.9	30.2	30.7	31.1	31.1	31.0	31.0	31.3	31.6
Retail Trade	877.4	845.7	836.2	844.3	867.9	881.6	890.5	885.8	890.6	889.0	885.7	897.2	914.2
Building Materials and Garden Supplies	33.7	30.4	30.3	31.6	34.4	35.8	36.4	35.1	34.6	34.3	34.0	33.9	34.1
Lumber and Other Building Materials	17.3	16.0	15.8	16.3	17.2	17.7	18.4	18.1	18.0	17.9	17.5	17.4	17.2
General Merchandise Stores	119.9	123.0	116.7	116.4	116.4	115.7	115.5	116.1	117.3	118.6	121.3	127.8	133.5
Department Stores	95.4	98.5	93.5	93.0	92.9	91.9	91.6	92.3	92.9	93.7	96.5	101.5	106.0
Variety Stores	13.8	13.2	12.8	12.9	13.2	13.4	13.5	13.6	14.0	14.5	14.3	14.9	15.3
Food Stores	138.6	135.6	135.0	135.3	137.2	138.4	140.7	140.2	140.1	139.7	138.9	140.1	142.4
Grocery Stores	122.2	119.6	119.5	119.5	121.0	122.0	124.0	123.8	123.6	123.2	122.6	123.1	124.7
Automotive Dealers and Service Stations	96.1	92.2	92.6	93.6	96.0	96.4	97.5	97.9	98.2	97.9	97.3	96.9	96.9
New and Used Car Dealers	43.1	41.6	41.7	42.2	43.0	43.2	43.7	43.8	43.8	43.8	43.7	43.6	43.2
Gasoline Service Stations	31.9	30.9	31.2	31.3	31.6	31.5	31.8	31.9	32.2	32.2	32.4	32.5	33.0
Apparel and Accessory Stores	44.8	43.5	42.4	42.8	43.2	43.8	44.1	43.7	45.0	45.1	45.4	47.7	50.8
Furniture and Homefurnishings Stores	30.5	30.5	29.9	29.9	30.0	30.1	30.3	29.9	30.1	30.4	31.0	31.6	32.5
Eating and Drinking Places	303.5	283.1	283.4	288.5	302.9	312.6	316.3	314.0	315.6	312.3	305.4	303.7	303.8
Miscellaneous Retail	110.2	107.5	105.8	106.2	107.8	108.7	109.6	108.9	109.5	110.6	112.5	115.5	120.2
Drug Stores and Proprietary Stores	30.2	29.4	29.2	29.5	30.4	30.7	31.2	30.6	30.4	30.4	30.1	30.3	30.6
Nonstore Retailers	20.3	20.3	20.1	20.0	19.6	19.5	19.6	19.8	20.1	20.5	20.8	21.8	22.0
Finance, Insurance, and Real Estate	249.0	244.6	244.7	246.1	248.1	249.1	252.1	252.2	252.1	250.6	249.0	249.0	249.8
Finance	118.3	117.3	117.2	117.7	118.3	118.3	119.4	119.0	118.9	118.4	117.8	118.1	118.8
Depository Institutions	89.3	87.8	87.7	88.1	89.0	89.3	90.5	90.0	90.0	89.7	89.2	89.5	90.3
Commercial Banks	62.0	61.0	61.0	61.3	62.1	62.2	62.9	62.4	62.3	62.1	61.9	62.1	62.6
Insurance	90.1	89.4	89.5	89.8	90.2	90.3	90.8	90.5	90.5	90.2	90.2	90.1	90.2
Insurance Carriers	69.5	69.2	69.3	69.4	69.6	69.7	69.9	69.8	69.6	69.5	69.3	69.3	69.3
Life Insurance	26.0	25.7	25.7	25.7	26.1	26.1	26.1	26.1	26.2	26.1	26.0	26.0	26.0
Fire, Marine, and Casualty Insurance	30.6	30.6	30.7	30.8	30.7	30.7	30.9	30.9	30.7	30.5	30.4	30.4	30.5
Real Estate	40.5	37.9	38.0	38.5	39.5	40.5	41.9	42.7	42.8	42.0	41.1	40.8	40.8
Services	1096.8	1040.5	1049.3	1061.3	1086.1	1098.0	1115.7	1115.0	1117.5	1126.1	1119.9	1115.7	1116.5
Hotels and Other Lodging Places	36.8	33.4	33.8	34.1	35.3	36.8	38.7	39.7	39.8	39.0	37.3	36.8	37.2
Personal Services	51.8	51.5	52.3	52.8	54.2	51.1	51.2	50.9	50.9	51.3	51.5	51.6	52.4
Business Services	189.8	176.9	177.9	179.9	181.3	186.2	191.2	194.7	196.6	197.3	198.3	198.0	198.9
Services to Buildings	31.2	29.8	30.3	30.6	31.2	31.5	32.0	31.8	32.1	32.1	31.0	30.9	30.7
Personnel Supply Services	63.9	56.2	56.7	58.6	58.0	62.0	64.9	67.1	68.5	68.2	68.6	68.6	69.2
Computer and Data Processing Services	22.3	21.0	21.0	21.1	21.3	21.6	22.1	22.5	22.6	23.0	23.4	23.6	23.9
Amusements, Including Motion Pictures	55.3	40.6	40.7	43.7	52.7	61.4	67.8	69.5	70.0	66.0	53.5	49.2	48.5

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1988[a] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Health Services	371.9	364.7	364.9	365.7	367.5	368.7	371.9	374.6	376.0	376.6	376.7	377.0	378.7
Nursing and Personal Care Facilities	81.3	79.7	79.8	79.9	80.5	80.8	81.3	82.1	82.5	82.8	82.3	82.1	82.3
Hospitals	182.6	181.1	181.1	181.3	180.9	181.0	182.5	183.7	184.0	184.0	183.7	183.9	184.4
Legal Services	27.4	26.4	26.5	26.7	26.8	27.0	27.9	28.1	28.0	27.8	27.9	27.9	28.1
Educational Services	61.5	62.2	66.1	66.2	65.8	62.0	57.2	49.9	48.2	60.4	66.5	68.1	66.0
Colleges and Universities	33.6	33.6	37.1	36.8	36.5	32.6	28.8	24.8	23.8	33.2	38.5	39.9	38.0
Social Services	69.3	67.2	67.6	68.1	69.1	69.3	68.8	68.7	69.0	70.3	70.8	71.1	71.6
Residential Care	20.6	19.5	19.6	19.9	20.1	20.3	20.6	20.9	21.2	21.2	21.2	21.2	21.5
Membership Organizations	77.0	74.9	75.4	76.4	76.3	76.6	78.6	78.0	78.3	77.1	77.2	77.1	77.3
Engineering and Management Services	81.7	77.4	78.6	79.5	81.5	80.8	82.9	82.6	83.0	83.1	83.2	83.6	84.4
Engineering and Architectural Services	23.7	22.1	22.1	22.5	23.0	23.3	23.8	24.1	24.3	24.4	24.5	24.8	25.2
Accounting, Auditing, and Bookkeeping	20.4	20.1	20.6	20.7	20.7	20.2	20.1	20.1	20.2	20.3	20.6	20.6	20.9
Research and Testing Services	18.8	17.8	18.2	18.5	18.9	19.0	19.4	19.4	19.3	19.1	18.7	18.7	18.7
Management and Public Relations	18.8	17.4	17.7	17.9	19.0	18.3	19.5	19.0	19.2	19.3	19.5	19.5	19.6
Government	693.8	692.1	702.1	708.3	705.2	711.6	691.7	651.8	639.0	682.4	708.3	716.2	717.4
Federal Government	94.8	94.3	94.3	94.5	94.4	94.2	94.6	94.7	94.8	94.6	94.8	95.7	96.3
U.S. Postal Service	34.9	34.5	34.7	34.9	34.9	34.9	34.9	34.7	34.8	34.7	34.7	35.0	35.8
State Government	155.3	154.2	159.4	162.7	162.3	162.2	153.7	140.1	136.0	144.3	160.7	163.3	164.4
State Government Hospitals	15.5	15.6	15.6	15.6	15.5	15.5	15.6	15.5	15.4	15.4	15.5	15.6	15.7
State Government Education[e]	80.6	80.2	86.5	88.7	87.8	87.7	77.9	63.1	59.7	69.4	87.0	89.7	90.2
Local Government	443.8	443.6	448.4	451.1	448.4	455.1	443.4	417.0	408.1	443.5	452.9	457.2	456.8
Local Government Hospitals	14.6	14.7	14.6	14.7	14.6	14.7	14.7	14.7	14.7	14.6	14.5	14.4	14.4
Local Government Education	257.8	262.3	267.2	269.8	265.7	270.2	253.0	223.0	215.7	256.4	267.2	271.8	271.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-0 (1988)

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$12.48	$12.29	$12.28	$12.32	$12.41	$12.46	$12.52	$12.42	$12.46	$12.59	$12.62	$12.67	$12.66
Mining	12.67	12.59	12.69	12.68	12.68	12.46	12.45	12.52	12.72	12.77	12.76	12.86	12.87
Coal Mining	15.60	15.35	15.27	15.48	15.49	15.31	15.38	15.57	15.83	15.79	15.81	15.89	16.04
Construction	15.03	15.04	15.06	14.86	14.65	14.83	14.94	15.03	15.05	15.17	15.19	15.16	15.18
General Building Contractors	13.41	13.15	13.15	13.05	13.24	13.42	13.53	13.19	13.64	13.53	13.66	13.78	13.54
Heavy Construction, Except Building	15.69	15.48	15.49	15.64	15.28	15.75	15.84	15.77	15.83	15.91	16.02	15.72	15.62
Special Trade Contractors	15.42	15.64	15.68	15.39	15.05	15.12	15.24	15.48	15.33	15.53	15.49	15.48	15.62
Manufacturing	11.99	11.85	11.85	11.90	12.01	12.00	12.04	11.87	11.90	12.04	12.07	12.16	12.19
Durable Goods[b]	12.40	12.22	12.26	12.30	12.42	12.41	12.47	12.24	12.29	12.47	12.50	12.61	12.61
Lumber and Wood Products	7.63	7.26	7.40	7.49	7.55	7.58	7.60	7.67	7.67	7.67	7.77	7.94	7.82
Millwork, Plywood and Structural Members	8.16	7.89	8.14	8.20	8.25	8.08	8.05	8.08	8.07	8.09	8.22	8.44	8.34
Furniture and Fixtures	8.98	8.80	8.89	8.90	8.82	8.92	8.87	8.94	9.15	9.14	8.99	9.14	9.20
Stone, Clay, and Glass Products	10.99	10.71	10.73	10.91	10.92	11.03	11.02	11.02	11.00	11.13	11.11	11.16	11.11
Primary Metal Industries	13.89	13.71	13.72	13.75	13.94	13.92	13.96	13.74	13.85	14.00	14.00	14.03	13.99
Blast Furnace and Basic Steel Products	14.20	14.03	14.19	14.14	14.15	14.20	14.22	14.17	14.25	14.34	14.24	14.22	14.27
Iron and Steel Foundries	14.40	14.34	14.02	14.26	14.63	14.46	14.50	13.86	14.12	14.40	14.56	14.72	14.82
Nonferrous Rolling and Drawing	14.94	14.48	14.34	14.43	15.01	14.93	15.14	14.95	14.96	15.23	15.24	15.23	15.17
Nonferrous Foundries	10.30	9.46	10.35	10.28	10.31	10.27	10.26	9.98	10.30	10.38	10.34	10.41	10.41
Fabricated Metal Products	11.99	11.77	11.89	11.93	12.09	12.02	12.14	11.82	11.84	11.99	12.05	12.13	12.14
Fabricated Structural Metal Products	10.78	10.83	10.78	10.68	10.74	10.71	10.70	10.74	10.70	10.82	10.90	10.88	10.87
Metal Forgings and Stampings	14.38	14.02	14.28	14.34	14.48	14.34	14.59	14.11	14.17	14.37	14.45	14.61	14.68
Industrial Machinery and Equipment	11.96	11.71	11.76	11.86	12.00	11.99	12.04	11.84	11.76	12.00	12.12	12.19	12.21
Construction and Related Machinery	10.39	10.18	10.21	10.30	10.21	10.20	10.31	10.28	10.31	10.62	10.59	10.77	10.60
Metalworking Machinery	11.59	11.58	11.58	11.49	11.53	11.44	11.46	11.48	11.47	11.61	11.74	11.82	11.84
Special Industry Machinery	11.43	11.39	11.27	11.27	11.45	11.42	11.44	11.52	11.31	11.63	11.47	11.43	11.54
General Industrial Machinery	12.73	12.29	12.49	12.47	12.83	12.91	12.90	12.50	12.55	12.73	12.74	12.98	13.22
Computer and Office Equipment	10.63	10.05	10.10	10.25	10.48	10.25	10.64	10.86	11.04	11.02	10.91	10.95	11.15
Refrigeration and Service Machinery	13.99	13.42	13.53	14.03	14.26	14.46	14.53	13.78	13.47	13.86	14.31	14.16	13.92
Electronic and Other Electric Equipment	11.15	11.24	11.24	11.14	11.16	11.16	11.11	11.04	11.08	11.15	11.10	11.18	11.23
Electrical Industrial Apparatus	10.34	10.28	10.44	10.42	10.36	10.31	10.29	10.14	10.25	10.35	10.28	10.33	10.53
Household Appliances	12.03	12.15	12.07	11.97	12.05	12.08	11.90	11.83	11.98	11.98	12.06	12.13	12.15
Electric Lighting and Wiring Equipment	11.52	11.39	11.48	11.38	11.62	11.61	11.61	11.38	11.54	11.38	11.48	11.62	11.75
Electronic Components and Accessories	8.84	8.80	8.83	8.90	8.95	8.91	8.90	8.79	8.80	8.81	8.81	8.80	8.83
Transportation Equipment	15.11	14.76	14.76	14.97	15.03	14.97	15.18	14.88	15.02	15.33	15.35	15.49	15.56
Motor Vehicles and Equipment	15.66	15.24	15.20	15.48	15.63	15.51	15.75	15.36	15.56	15.93	15.96	16.08	16.11
Aircraft and Parts	13.64	13.81	13.92	13.27	13.29	13.47	13.51	13.73	13.64	13.58	13.49	13.84	13.90
Instruments and Related Products	9.18	9.13	9.17	9.17	9.07	9.11	9.17	9.23	9.19	9.23	9.22	9.24	9.27
Measuring and Controlling Devices	9.24	9.17	9.26	9.31	9.14	9.18	9.21	9.29	9.26	9.20	9.23	9.29	9.31
Nondurable Goods[c]	11.05	11.00	10.94	10.99	11.06	11.02	11.03	11.06	11.03	11.07	11.08	11.11	11.20
Food and Kindred Products	10.62	10.61	10.61	10.70	10.68	10.59	10.55	10.65	10.76	10.48	10.46	10.68	10.70
Dairy Products	10.78	10.97	11.02	10.98	10.78	10.74	10.70	10.67	10.71	10.63	10.61	10.85	10.70
Preserved Fruits and Vegetables	11.06	10.76	11.11	11.08	11.33	11.07	11.17	11.13	11.40	10.39	10.85	11.31	11.44
Bakery Products	11.73	11.75	11.85	11.69	11.76	11.67	11.68	11.69	11.74	11.77	11.72	11.86	11.84
Apparel and Other Textile Products	7.64	7.68	7.51	7.56	7.54	7.63	7.67	7.57	7.59	7.66	7.70	7.77	7.81
Paper and Allied Products	11.22	11.20	11.07	11.09	11.22	11.07	11.22	11.24	11.19	11.40	11.34	11.26	11.36
Paperboard Containers and Boxes	10.17	10.14	10.03	10.06	10.08	10.13	10.23	10.11	10.27	10.32	10.26	10.19	10.28

See footnotes at end of table.

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a] (continued)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$10.04	$10.19	$9.91	$9.93	$10.18	$9.85	$10.00	$10.34	$10.00	$10.05	$10.04	$9.93	$10.06
Printing and Publishing	11.30	11.19	11.21	11.29	11.22	11.36	11.25	11.26	11.31	11.43	11.35	11.33	11.42
Newspapers	10.85	10.55	10.66	10.62	10.73	10.84	10.79	10.85	10.86	11.07	11.03	11.03	11.20
Commercial Printing	10.93	10.97	10.97	11.09	10.80	10.93	10.75	10.83	10.99	11.03	10.91	10.91	11.00
Chemicals and Allied Products	13.04	12.95	12.86	12.92	13.00	12.96	12.98	13.05	13.01	13.04	13.10	13.25	13.35
Plastics Materials and Synthetics	14.50	14.31	14.31	14.36	14.46	14.60	14.40	14.53	14.53	14.55	14.62	14.67	14.60
Rubber and Miscellaneous Plastics Products	10.37	10.33	10.26	10.26	10.41	10.43	10.40	10.32	10.25	10.43	10.41	10.46	10.49
Tires and Inner Tubes	14.71	14.54	14.53	14.62	14.77	14.87	14.77	14.71	14.79	14.79	14.64	14.68	14.83
Miscellaneous Plastics Products	10.06	9.99	9.91	9.93	10.12	10.10	10.09	9.98	9.87	10.13	10.10	10.16	10.27
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	13.90	13.75	13.67	13.84	13.75	13.79	13.81	13.91	14.08	14.09	14.03	14.11	13.97
Communications	13.59	13.46	13.46	13.50	13.45	13.41	13.47	13.52	13.85	13.84	13.69	13.81	13.58
Electric, Gas, and Sanitary Services	14.26	14.08	13.91	14.23	14.10	14.23	14.19	14.35	14.34	14.38	14.43	14.46	14.41
Wholesale Trade	9.99	9.76	9.86	9.86	9.88	9.88	9.98	10.00	10.03	10.12	10.16	10.14	10.16
Wholesale Trade-Durable Goods	9.78	9.58	9.64	9.64	9.71	9.68	9.82	9.78	9.81	9.91	9.92	9.92	9.91
Motor Vehicles, Parts, and Supplies	8.90	8.77	8.81	8.77	8.66	8.83	9.05	9.01	8.93	9.01	9.05	8.95	8.94
Metals and Minerals, Except Petroleum	10.34	10.22	10.17	10.17	10.27	10.18	10.46	10.10	10.31	10.36	10.52	10.53	10.72
Wholesale Trade-Nondurable Goods	10.36	10.11	10.24	10.25	10.20	10.24	10.27	10.39	10.42	10.48	10.57	10.52	10.60
Retail Trade[d]	5.88	5.82	5.81	5.88	5.87	5.84	5.82	5.85	5.82	5.89	5.90	5.95	5.99
General Merchandise Stores	6.26	6.28	6.21	6.25	6.27	6.23	6.23	6.29	6.21	6.34	6.32	6.26	6.23
Department Stores	6.40	6.42	6.35	6.40	6.41	6.38	6.37	6.44	6.37	6.48	6.48	6.41	6.37
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.25	10.21	10.21	10.20	10.21	10.18	10.19	10.23	10.21	10.28	10.27	10.36	10.41

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-0 (1988)

Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	42.4	42.1	41.7	42.0	42.3	42.3	42.7	41.9	42.0	42.7	42.9	43.1	43.0
Mining	43.2	44.4	42.9	42.7	42.8	42.7	43.5	43.1	43.6	43.3	43.3	43.2	42.8
Coal Mining	42.0	44.9	43.2	42.8	42.1	41.3	41.4	40.5	42.5	40.9	41.6	41.3	41.9
Construction	39.1	37.0	37.0	37.7	38.3	38.7	39.5	40.0	39.7	39.9	40.7	39.9	38.9
General Building Contractors	39.7	37.6	37.9	38.3	38.3	39.0	39.9	41.1	40.0	40.0	41.8	42.2	40.5
Heavy Construction, Except Building	40.9	38.5	38.2	39.4	41.0	41.7	42.9	42.3	42.9	41.9	43.2	39.8	39.2
Special Trade Contractors	38.1	36.5	36.3	37.0	37.6	37.9	38.5	39.0	38.7	39.3	39.6	39.0	38.2
Manufacturing	43.0	42.8	42.4	42.7	43.0	43.0	43.3	42.3	42.4	43.3	43.3	43.7	43.8
Durable Goods[b]	43.4	43.1	42.8	43.1	43.3	43.5	43.9	42.6	42.7	43.7	43.7	44.2	44.2
Lumber and Wood Products	40.8	39.0	38.7	40.3	40.9	40.9	41.3	41.2	41.1	41.5	41.7	42.1	40.3
Millwork, Plywood and Structural Members	41.4	39.0	38.2	41.0	41.0	41.6	42.6	42.7	42.3	41.7	42.4	42.2	41.7
Furniture and Fixtures	41.0	40.8	40.1	40.6	40.2	40.7	40.5	41.1	41.8	41.8	40.8	41.7	41.8
Stone, Clay, and Glass Products	42.8	42.0	42.5	43.0	42.6	43.1	43.3	42.4	42.4	43.1	43.0	43.3	42.5
Primary Metal Industries	45.1	44.8	44.5	44.5	45.3	45.5	46.0	44.2	44.7	45.2	44.9	45.6	45.5
Blast Furnace and Basic Steel Products	45.6	45.7	46.0	45.7	45.8	46.2	46.9	45.8	45.6	45.2	44.7	44.8	45.1
Iron and Steel Foundries	45.5	45.6	43.9	44.5	45.9	45.8	46.1	42.6	44.5	45.7	46.0	47.3	47.6
Nonferrous Rolling and Drawing	42.6	42.0	41.2	40.9	43.5	43.2	43.2	41.2	41.6	43.4	43.4	44.1	43.1
Nonferrous Foundries	44.9	43.6	44.2	44.6	45.0	45.2	45.8	42.9	44.7	45.9	44.6	46.8	45.1
Fabricated Metal Products	42.8	42.0	42.6	42.4	43.0	42.8	43.5	41.9	42.0	42.9	43.1	43.5	43.5
Fabricated Structural Metal Products	40.6	41.8	40.0	39.4	40.5	40.1	41.0	41.0	41.0	40.5	40.9	40.7	40.9
Metal Forgings and Stampings	44.6	43.2	44.2	44.5	45.6	45.2	46.0	43.1	43.5	44.4	44.6	45.3	44.9
Industrial Machinery and Equipment	44.0	43.3	43.5	43.7	44.0	43.9	44.1	43.7	43.2	44.2	44.3	44.7	45.0
Construction and Related Machinery	41.1	41.7	41.0	40.9	40.8	40.1	41.2	41.8	41.8	40.9	40.7	42.0	40.8
Metalworking Machinery	44.6	43.8	44.1	44.1	44.2	44.1	44.4	44.9	44.2	45.1	45.1	45.3	46.0
Special Industry Machinery	44.9	43.7	44.1	43.7	44.2	45.0	45.3	45.5	43.3	46.2	45.5	46.0	45.7
General Industrial Machinery	43.9	43.4	43.8	43.5	44.7	44.3	44.0	42.9	42.6	44.0	43.5	44.2	46.2
Computer and Office Equipment	42.1	42.6	41.6	41.7	40.8	41.4	41.5	43.3	43.0	42.6	42.5	41.9	43.2
Refrigeration and Service Machinery	43.5	42.4	41.8	43.4	43.8	45.1	45.6	42.9	42.2	43.7	44.9	44.4	42.2
Electronic and Other Electric Equipment	41.8	42.6	42.2	41.8	41.8	41.4	41.7	40.8	41.3	41.8	41.6	42.0	42.4
Electrical Industrial Apparatus	43.2	43.5	44.3	43.4	42.3	41.4	43.0	42.0	43.8	43.6	43.4	43.3	43.8
Household Appliances	40.7	42.2	41.2	39.9	40.6	40.6	40.3	40.1	40.2	40.7	40.3	41.5	41.2
Electric Lighting and Wiring Equipment	41.4	42.7	41.8	41.6	41.8	41.1	41.6	39.8	40.6	41.0	41.2	41.6	41.9
Electronic Components and Accessories	42.7	43.0	42.3	42.9	42.8	42.9	42.9	42.1	42.6	42.6	42.5	43.0	43.3
Transportation Equipment	44.6	43.9	43.3	44.2	44.0	45.2	45.4	42.9	43.4	45.5	45.5	46.2	46.3
Motor Vehicles and Equipment	45.1	43.8	42.9	44.5	45.0	45.9	46.1	42.9	43.9	46.3	46.1	46.9	47.1
Aircraft and Parts	43.9	45.4	45.4	43.7	41.2	43.3	43.8	43.5	42.0	43.8	44.2	45.1	45.3
Instruments and Related Products	40.3	39.6	39.5	40.2	39.6	39.6	40.2	40.3	40.0	40.7	41.0	41.0	41.3
Measuring and Controlling Devices	39.3	38.9	38.7	39.9	38.8	38.7	38.5	39.0	38.8	39.7	40.0	40.2	41.1
Nondurable Goods[c]	42.2	42.3	41.6	42.0	42.2	41.9	42.2	41.8	41.8	42.5	42.3	42.6	42.9
Food and Kindred Products	42.0	42.5	41.3	41.6	41.5	41.2	41.6	42.0	42.4	42.6	42.1	42.4	42.7
Dairy Products	43.0	43.4	43.3	43.1	42.3	42.1	43.3	43.6	42.8	42.9	42.4	44.0	43.4
Preserved Fruits and Vegetables	42.0	41.4	40.8	39.9	42.1	40.2	41.7	41.4	43.2	44.5	42.6	42.4	42.8
Bakery Products	39.9	40.5	40.2	39.7	39.3	39.7	40.2	39.9	39.7	39.4	39.9	40.7	39.8
Apparel and Other Textile Products	39.8	39.1	38.6	40.0	39.7	40.0	39.7	39.0	38.9	40.3	40.6	41.1	40.3
Paper and Allied Products	44.3	44.6	43.8	43.8	44.8	43.9	44.4	44.1	43.3	45.1	43.9	44.3	45.5
Paperboard Containers and Boxes	43.2	43.6	43.2	42.5	43.6	43.4	43.4	42.4	41.7	43.8	42.9	43.5	44.0

See footnotes at end of table.

Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a] (continued)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	43.5	43.6	42.3	42.9	43.2	43.3	42.7	44.9	43.3	44.5	42.9	43.8	44.4
Printing and Publishing	39.4	38.8	38.7	39.6	39.3	39.2	39.2	39.1	39.4	39.6	39.5	39.7	40.6
Newspapers	34.4	34.0	33.1	34.4	34.5	34.6	34.8	34.2	34.1	34.6	34.6	35.2	35.2
Commercial Printing	40.8	39.7	40.3	41.5	40.8	40.2	40.1	39.9	40.9	41.5	41.2	41.3	42.5
Chemicals and Allied Products	42.5	42.7	41.9	42.4	42.3	41.8	42.7	42.6	42.3	42.7	42.4	42.9	42.9
Plastics Materials and Synthetics	43.9	43.8	42.8	42.9	43.3	42.8	43.7	43.3	43.7	44.4	44.7	45.3	45.3
Rubber and Miscellaneous Plastics Products	43.1	43.3	42.9	42.8	43.4	43.3	43.3	42.0	42.3	43.4	43.5	43.8	43.7
Tires and Inner Tubes	46.3	47.3	47.0	46.3	46.4	47.1	46.3	45.9	46.1	46.3	45.6	45.4	45.8
Miscellaneous Plastics Products	42.8	42.7	42.5	42.4	43.1	42.9	43.0	41.4	41.9	43.1	43.4	43.6	43.8
Service-Producing Industries	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.8	40.7	40.3	40.8	40.7	40.7	40.6	41.2	41.4	41.1	40.7	40.9	40.7
Communications	40.1	39.8	39.7	39.8	39.7	39.9	40.0	40.5	41.0	40.7	40.1	40.3	40.0
Electric, Gas, and Sanitary Services	41.7	41.7	41.1	41.9	41.9	41.7	41.4	42.1	41.9	41.5	41.5	41.7	41.5
Wholesale Trade	39.1	39.1	38.9	39.0	39.1	39.2	39.0	39.1	39.0	39.0	39.2	39.1	39.3
Wholesale Trade-Durable Goods	39.2	39.4	39.3	39.2	39.3	39.3	39.2	39.3	39.2	39.0	39.1	39.2	39.4
Motor Vehicles, Parts, and Supplies	37.7	38.2	37.8	37.8	37.8	38.4	37.7	38.1	37.3	37.5	37.1	37.2	37.3
Metals and Minerals, Except Petroleum	42.2	42.4	42.0	42.1	42.4	41.8	41.6	41.6	42.4	41.9	42.1	42.8	43.3
Wholesale Trade-Nondurable Goods	38.9	38.7	38.4	38.6	38.7	39.1	38.8	38.9	38.8	39.1	39.5	39.1	39.2
Retail Trade	28.5	27.8	27.7	28.0	28.2	28.2	28.8	29.2	29.1	28.6	28.5	28.4	29.3
General Merchandise Stores	28.0	27.2	26.9	27.3	27.9	28.0	28.3	28.4	28.1	27.9	27.7	28.0	30.8
Department Stores	28.3	27.3	26.9	27.4	28.1	28.1	28.4	28.6	28.4	28.2	28.0	28.2	31.2
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.2	33.1	33.0	33.1	33.1	33.1	33.2	33.6	33.3	33.4	33.2	33.0	32.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-0 (1988)

Ohio

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$529.15	$517.41	$512.08	$517.44	$524.94	$527.06	$534.60	$520.40	$523.32	$537.59	$541.40	$546.08	$544.38
Mining	547.34	559.00	544.40	541.44	542.70	532.04	541.58	539.61	554.59	552.94	552.51	555.55	550.84
Coal Mining	655.20	689.22	659.66	662.54	652.13	632.30	636.73	630.59	672.78	645.81	657.70	656.26	672.08
Construction	587.67	556.48	557.22	560.22	561.10	573.92	590.13	601.20	597.49	605.28	618.23	604.88	590.50
General Building Contractors	532.38	494.44	498.39	499.82	507.09	523.38	539.85	542.11	545.60	541.20	570.99	581.52	548.37
Heavy Construction, Except Building	641.72	595.98	591.72	616.22	626.48	656.78	679.54	667.07	679.11	666.63	692.06	625.66	612.30
Special Trade Contractors	587.50	570.86	569.18	569.43	565.88	573.05	586.74	603.72	593.27	610.33	613.40	603.72	596.68
Manufacturing	515.57	507.18	502.44	508.13	516.43	516.00	521.33	502.10	504.56	521.33	522.63	531.39	533.92
Durable Goods[b]	538.16	526.68	524.73	530.13	537.79	539.84	547.43	521.42	524.78	544.94	546.25	557.36	557.36
Lumber and Wood Products	311.30	283.14	286.38	301.85	308.80	310.02	313.88	316.00	315.24	318.31	324.01	334.27	315.15
Millwork, Plywood and Structural Members	337.82	307.71	310.95	336.20	338.25	336.13	342.93	345.02	341.36	337.35	348.53	356.17	347.78
Furniture and Fixtures	368.18	359.04	356.49	361.34	354.56	363.04	359.24	367.43	382.47	382.05	366.79	381.14	384.56
Stone, Clay, and Glass Products	470.37	449.82	456.03	469.13	465.19	475.39	477.17	467.25	466.40	479.70	477.73	483.23	472.18
Primary Metal Industries	626.44	614.21	610.54	611.88	631.48	633.36	642.16	607.31	619.10	632.80	628.60	639.77	636.55
Blast Furnace and Basic Steel Products	647.52	641.17	652.74	646.20	648.07	656.04	666.92	648.99	649.80	648.17	636.53	637.06	643.58
Iron and Steel Foundries	655.20	653.90	615.48	634.57	671.52	662.27	668.45	590.44	628.34	658.08	669.76	696.26	705.43
Nonferrous Rolling and Drawing	636.44	608.16	590.81	590.19	652.94	644.98	654.05	615.94	622.34	660.98	661.42	671.64	653.83
Nonferrous Foundries	462.47	412.46	457.47	458.49	463.95	464.20	469.91	428.14	460.41	476.44	461.16	487.19	469.49
Fabricated Metal Products	513.17	504.93	506.51	505.83	519.87	514.46	528.09	495.26	497.28	514.37	519.36	527.66	528.09
Fabricated Structural Metal Products	437.67	452.69	431.20	420.79	434.97	429.47	438.70	440.34	438.70	438.21	445.81	442.82	444.58
Metal Forgings and Stampings	641.35	605.66	631.18	638.13	660.29	648.17	671.14	608.14	616.40	638.03	644.47	661.83	659.13
Industrial Machinery and Equipment	526.24	507.04	511.56	518.28	528.00	526.36	530.96	517.41	508.03	530.40	536.92	544.89	549.45
Construction and Related Machinery	427.03	424.51	418.61	421.27	416.57	409.02	424.77	429.70	430.96	434.36	431.01	452.34	432.48
Metalworking Machinery	516.91	507.20	510.68	506.71	509.63	504.50	508.82	515.45	506.97	523.61	529.47	535.45	544.64
Special Industry Machinery	513.21	497.74	497.01	492.50	506.09	513.90	518.23	524.16	489.72	537.31	521.89	525.78	527.38
General Industrial Machinery	558.85	533.39	547.06	542.45	573.50	571.91	567.60	536.25	534.63	560.12	554.19	573.72	610.76
Computer and Office Equipment	447.52	428.13	420.16	427.43	427.58	424.35	441.56	470.24	474.72	469.45	463.68	458.81	481.68
Refrigeration and Service Machinery	608.57	569.01	565.55	608.90	624.59	652.15	662.57	591.16	568.43	605.68	642.52	628.70	587.42
Electronic and Other Electric Equipment	466.07	478.82	474.33	465.65	466.49	462.02	463.29	450.43	457.60	466.07	461.76	469.56	476.15
Electrical Industrial Apparatus	446.69	447.18	462.49	452.23	438.23	426.83	442.47	425.88	448.95	451.26	446.15	447.29	461.21
Household Appliances	489.62	512.73	497.28	477.60	489.23	490.45	479.57	474.38	481.60	487.59	486.02	503.40	500.58
Electric Lighting and Wiring Equipment	476.93	486.35	479.86	473.41	485.72	477.17	482.98	452.92	468.52	466.58	472.98	483.39	492.33
Electronic Components and Accessories	377.47	378.40	373.51	381.81	383.06	382.24	381.81	370.06	374.88	375.31	374.43	378.40	382.34
Transportation Equipment	673.91	647.96	639.11	661.67	661.32	676.64	689.17	638.35	651.87	697.52	698.43	715.64	720.43
Motor Vehicles and Equipment	706.27	667.51	652.08	688.86	703.35	711.91	726.08	658.94	683.08	737.56	735.76	754.15	758.78
Aircraft and Parts	598.80	626.97	631.97	579.90	547.55	583.25	591.74	597.26	572.88	594.80	596.26	624.18	629.67
Instruments and Related Products	369.95	361.55	362.22	368.63	359.17	360.76	368.63	371.97	367.60	375.66	378.02	378.84	382.85
Measuring and Controlling Devices	363.13	356.71	358.36	371.47	354.63	355.27	354.59	362.31	359.29	365.24	369.20	373.46	382.64
Nondurable Goods[c]	466.31	465.30	455.10	461.58	466.73	461.74	465.47	462.31	461.05	470.48	468.68	473.29	480.48
Food and Kindred Products	446.04	450.93	438.19	445.12	443.22	436.31	438.88	447.30	456.22	446.45	440.37	452.83	456.89
Dairy Products	463.54	476.10	477.17	472.24	455.99	452.15	463.31	465.21	458.39	456.03	449.86	477.40	464.38
Preserved Fruits and Vegetables	464.52	445.46	453.29	442.09	476.99	445.01	465.79	460.78	492.48	462.36	462.21	479.54	489.63
Bakery Products	468.03	475.88	468.33	464.09	462.17	463.30	469.54	466.43	466.08	463.74	467.63	482.70	471.23
Apparel and Other Textile Products	304.07	300.29	289.89	302.40	299.34	305.20	304.50	295.23	295.25	308.70	312.62	319.35	314.74
Paper and Allied Products	497.05	499.52	484.87	485.74	502.66	485.97	498.17	495.68	484.53	514.14	497.83	498.82	516.88
Paperboard Containers and Boxes	439.34	442.10	433.30	427.55	439.49	439.64	443.98	428.66	428.26	452.02	440.15	443.27	452.32

See footnotes at end of table.

Ohio

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a] (continued)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$436.74	$444.28	$419.19	$426.00	$439.78	$426.51	$427.00	$464.27	$433.00	$447.23	$430.72	$434.93	$446.66
Printing and Publishing	445.22	434.17	433.83	447.08	440.95	445.31	441.00	440.27	445.61	452.63	448.33	449.80	463.65
Newspapers	373.24	358.70	352.85	365.33	370.19	375.06	375.49	371.07	370.33	383.02	381.64	388.26	394.24
Commercial Printing	445.94	435.51	442.09	460.24	440.64	439.39	431.08	432.12	449.49	457.75	449.49	450.58	467.50
Chemicals and Allied Products	554.20	552.97	538.83	547.81	549.90	541.73	554.25	555.93	550.32	556.81	555.44	568.43	572.72
Plastics Materials and Synthetics	636.55	626.78	612.47	616	626.12	624.88	629.28	629.15	634.96	646.02	653.51	664.55	661.38
Rubber and Miscellaneous Plastics Products	446.95	447.29	440.15	439.13	451.79	451.62	450.32	433.44	433.58	452.66	452.84	458.15	458.41
Tires and Inner Tubes	681.07	687.74	682.91	676.91	685.33	700.38	683.85	675.19	681.82	684.78	667.58	666.47	679.21
Miscellaneous Plastics Products	430.57	426.57	421.18	421.03	436.17	433.29	433.87	413.17	413.55	436.60	438.34	442.98	449.83
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	567.12	559.63	550.90	564.67	559.63	561.25	560.69	573.09	582.91	579.10	571.02	577.10	568.58
Communications	544.96	535.71	534.36	537.30	533.97	535.06	538.80	547.56	567.85	563.29	548.97	556.54	543.20
Electric, Gas, and Sanitary Services	594.64	587.14	571.70	596.24	590.79	593.39	587.47	604.14	600.85	596.77	598.85	602.98	598.02
Wholesale Trade	390.61	381.62	383.55	384.54	386.31	387.30	389.22	391.00	391.17	394.68	398.27	396.47	399.29
Wholesale Trade-Durable Goods	383.38	377.45	378.85	377.89	381.60	380.42	384.94	384.35	384.55	386.49	387.87	388.86	390.45
Motor Vehicles, Parts, and Supplies	335.53	335.01	333.02	331.51	327.35	339.07	341.19	343.28	333.09	337.88	335.76	332.94	333.46
Metals and Minerals, Except Petroleum	436.35	433.33	427.14	428.16	435.45	425.52	435.14	420.16	437.14	434.08	442.89	450.68	464.18
Wholesale Trade-Nondurable Goods	403.00	391.26	393.22	395.65	394.74	400.38	398.48	404.17	404.30	409.77	417.52	411.33	415.52
Retail Trade[d]	167.58	161.80	160.94	164.64	165.53	164.69	167.62	170.82	169.36	168.45	168.15	168.98	175.51
General Merchandise Stores	175.28	170.82	167.05	170.63	174.93	174.44	176.31	178.64	174.50	176.89	175.06	175.28	191.88
Department Stores	181.12	175.27	170.82	175.36	180.12	179.28	180.91	184.18	180.91	182.74	181.44	180.76	198.74
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	267.25	265.36	263.84	265.72	267.68	266.16	270.07	270.02	268.98	266.43	267.12	266.36	269.12
Insurance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Insurance Carriers	373.46	362.58	365.36	369.13	373.14	372.58	372.13	372.59	373.62	377.72	379.26	378.66	384.37
Life Insurance	341.40	331.87	336.40	336.11	338.45	341.68	340.44	341.40	342.95	346.29	345.56	346.86	348.78
Fire, Marine, and Casualty Insurance	389.15	371.07	377.01	381.49	384.37	386.81	388.53	390.24	391.88	395.14	398.43	400.24	404.95
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	340.30	337.95	336.93	337.62	337.95	336.96	338.31	343.73	339.99	343.35	340.96	341.88	341.45

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-0 (1988)

Ohio

Nonagricultural Wage and Salary Employment, 1979–1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	4484.8	4367.4	4317.7	4124.3	4092.5	4260.2	4372.9	4471.4	4582.6
Goods-Producing Industries	1596.8	1462.5	1417.0	1264.8	1223.4	1299.7	1304.3	1293.1	1296.2
Mining	31.6	30.7	30.7	30.3	26.6	27.8	26.1	22.6	20.9
Coal Mining	17.1	15.3	13.1	13.3	11.1	11.7	10.8	10.1	9.1
Oil and Gas Extraction	.....	.....	.....	.....	11.2	11.7	10.8	7.9	7.1
Construction	182.9	167.4	153.7	134.6	130.8	144.8	154.0	160.7	176.4
General Building Contractors	48.2	41.8	37.0	31.2	32.0	35.9	38.3	40.6	44.6
Nonresidential Building Construction	.....	.....	.....	.....	18.6	20.5	21.0	21.4	22.7
Heavy Construction, Except Building	28.2	25.3	24.1	22.9	18.8	19.5	19.6	19.8	22.3
Special Trade Contractors	.....	.....	.....	.....	80.0	89.4	96.1	100.3	109.6
Manufacturing	1382.3	1264.3	1232.6	1099.9	1066.0	1127.0	1124.2	1109.8	1098.9
Durable Goods[c]	978.1	880.3	858.2	750.5	721.9	771.7	767.0	751.0	738.9
Lumber and Wood Products	16.8	14.9	14.5	13.2	14.7	16.5	17.8	18.9	20.7
Millwork, Plywood and Structural Members	.....	.....	.....	.....	5.9	6.7	7.4	8.4	9.5
Furniture and Fixtures	17.7	15.6	14.9	13.5	13.7	15.2	14.7	14.6	14.6
Stone, Clay, and Glass Products	67.0	62.0	58.6	52.1	50.2	50.5	48.5	47.5	46.5
Primary Metal Industries	158.9	139.8	138.3	112.7	104.1	108.9	101.8	95.4	95.8
Blast Furnace and Basic Steel Products	84.0	73.1	72.6	58.0	51.7	52.1	45.8	42.4	43.4
Iron and Steel Foundries	33.9	28.7	28.5	23.3	20.4	22.1	21.3	20.2	19.4
Nonferrous Rolling and Drawing	20.7	19.4	19.8	17.1	18.1	18.8	18.7	17.7	17.1
Nonferrous Foundries	.....	.....	.....	.....	8.3	9.2	9.2	8.7	9.2
Fabricated Metal Products	175.3	157.5	154.8	134.9	129.8	138.8	139.7	136.8	133.4
Fabricated Structural Metal Products	38.2	36.9	35.2	30.9	27.9	27.9	28.5	28.5	28.4
Metal Forgings and Stampings	52.2	44.0	44.8	37.8	39.1	44.5	44.3	43.3	42.0
Industrial Machinery and Equipment	232.1	219.2	211.8	183.4	160.1	173.1	171.7	163.9	160.3
Construction and Related Machinery	29.4	26.8	25.7	21.3	16.8	16.5	15.2	13.1	12.7
Special Industry Machinery	23.3	22.4	20.5	17.6	15.9	17.8	17.4	16.3	16.0
Computer and Office Equipment	.....	.....	.....	.....	11.6	12.5	12.7	12.7	12.5
Refrigeration and Service Machinery	.....	.....	.....	.....	15.7	17.1	17.0	16.3	16.3
Electronic and Other Electric Equipment	106.8	96.5	92.3	84.7	81.7	85.4	83.2	82.0	79.9
Household Appliances	22.3	18.2	17.7	15.3	16.1	17.0	16.7	16.9	16.4
Electric Lighting and Wiring Equipment	23.3	21.0	20.0	18.6	18.4	19.3	18.4	18.0	17.3
Electronic Components and Accessories	10.0	9.7	8.9	8.3	8.2	9.6	9.5	10.1	10.6
Transportation Equipment	165.3	138.6	136.4	121.1	131.6	144.4	150.6	153.2	148.3
Motor Vehicles and Equipment	120.1	90.5	91.1	78.0	87.4	97.5	99.3	98.2	95.0
Aircraft and Parts	34.3	37.4	36.0	34.9	35.9	38.2	42.4	45.7	44.0
Instruments and Related Products	22.9	22.4	23.4	21.9	22.9	24.8	24.8	24.9	25.1
Nondurable Goods[d]	404.2	384.1	374.4	349.4	344.1	355.4	357.3	358.8	360.0
Food and Kindred Products	74.4	72.7	69.2	66.9	63.4	62.8	62.9	63.0	63.1
Dairy Products	12.2	11.9	11.6	10.9	10.1	9.8	9.7	10.0	10.0
Preserved Fruits and Vegetables	.....	.....	.....	.....	10.2	10.6	11.0	11.0	11.1
Bakery Products	13.2	12.5	11.0	10.3	9.5	8.7	8.8	8.8	9.1
Apparel and Other Textile Products	18.6	17.1	17.3	16.4	16.3	17.2	16.9	16.3	15.5

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1979–1987[a] (continued)
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Paper and Allied Products	39.4	38.5	38.1	35.5	34.9	36.7	37.0	37.0	36.9
Paperboard Containers and Boxes	14.2	13.3	12.9	11.6	11.5	12.1	12.3	12.5	12.8
Miscellaneous Converted Paper Products	11.8	12.0	11.9	11.5	11.4	12.2	12.0	11.9	11.9
Printing and Publishing	67.6	67.4	66.1	63.2	62.8	65.1	66.8	68.4	70.5
Newspapers	20.3	20.0	19.5	18.7	17.9	18.1	18.5	18.9	19.2
Commercial Printing	25.7	25.7	25.0	22.9	22.6	23.9	24.9	25.9	26.4
Chemicals and Allied Products	68.4	68.3	67.7	65.5	63.4	62.7	62.8	62.8	63.4
Plastics Materials and Synthetics	10.6	10.1	9.6	9.1	8.8	8.7	8.4	8.0	8.3
Rubber and Miscellaneous Plastics Products	109.3	95.1	91.4	82.4	84.5	92.7	93.3	94.5	93.6
Tires and Inner Tubes	30.9	27.8	24.4	22.0	20.2	20.3	19.9	18.3	16.6
Miscellaneous Plastics Products	51.4	44.3	44.0	39.5	43.0	49.3	50.9	53.7	54.7
Service-Producing Industries	2888.0	2904.9	2900.7	2859.5	2869.2	2960.5	3068.5	3178.4	3286.4
Transportation and Public Utilities	232.1	223.1	217.2	206.8	198.5	203.9	202.7	203.4	207.8
Transportation	139.0	128.0	120.9	110.2	105.3	111.8	112.5	113.4	118.3
Railroad Transportation	31.8	29.1	26.3	22.9	18.9	18.6	17.0	15.6	14.0
Trucking and Warehousing	84.0	75.4	71.1	63.8	62.7	67.5	68.5	68.9	72.8
Communications, Electric, Gas Services	93.0	95.0	96.2	96.6	93.2	92.1	90.2	90.1	89.5
Communications	53.9	54.6	55.2	55.1	52.8	52.1	49.5	48.3	47.5
Electric, Gas, and Sanitary Services	39.1	40.4	41.0	41.5	40.4	40.1	40.7	41.7	42.0
Wholesale Trade	234.0	231.7	233.6	227.1	223.6	237.9	245.1	245.7	249.4
Wholesale Trade-Durable Goods	152.9	150.4	151.0	144.4	140.8	151.4	156.3	156.0	157.6
Motor Vehicles, Parts, and Supplies	24.5	22.8	22.4	21.7	21.7	23.3	24.0	23.5	23.0
Metals and Minerals, Except Petroleum	.....	.....	.....	.....	9.2	9.9	10.1	10.0	10.3
Electrical Goods	17.9	18.8	19.1	18.8	18.6	19.9	20.3	19.6	18.7
Hardware, Plumbing and Heating Equipment	11.0	11.0	11.4	10.8	10.5	11.2	10.8	10.9	11.5
Wholesale Trade-Nondurable Goods	81.1	81.4	82.6	82.7	82.8	86.6	88.9	89.7	91.8
Groceries and Related Products	23.5	23.8	24.6	25.3	25.8	26.8	27.7	28.3	29.1
Retail Trade	741.2	725.5	716.5	702.3	709.9	746.8	786.5	817.1	846.9
Building Materials and Garden Supplies	.....	.....	.....	.....	25.2	26.9	29.5	30.6	32.1
Lumber and Other Building Materials	.....	.....	.....	.....	11.9	12.8	14.4	15.5	16.5
General Merchandise Stores	129.1	124.0	119.8	115.0	111.6	114.6	114.7	115.3	119.2
Department Stores	109.0	104.9	101.5	97.9	95.3	97.6	96.5	94.8	96.4
Food Stores	117.0	117.6	117.4	116.0	117.2	120.4	125.4	128.3	132.3
Grocery Stores	.....	.....	.....	.....	101.5	104.0	108.3	111.5	116.5
Automotive Dealers and Service Stations	88.8	78.1	76.2	76.0	76.2	81.9	86.6	90.7	92.9
New and Used Car Dealers	.....	.....	.....	.....	31.1	34.8	37.9	40.9	41.8
Gasoline Service Stations	.....	.....	.....	.....	27.3	27.9	29.2	29.8	30.5
Apparel and Accessory Stores	37.0	35.7	35.1	33.5	33.9	35.1	37.1	39.0	42.0
Furniture and Homefurnishings Stores	.....	.....	.....	.....	22.1	24.4	27.0	29.0	30.0
Eating and Drinking Places	.....	.....	.....	.....	242.7	257.9	274.2	288.1	296.5
Miscellaneous Retail	.....	.....	.....	.....	81.0	85.7	92.0	96.2	102.0
Drug Stores and Proprietary Stores	.....	.....	.....	.....	23.1	24.3	25.8	26.7	28.0
Nonstore Retailers	.....	.....	.....	.....	13.9	14.3	15.0	15.9	18.1

See footnotes at end of table.

Ohio

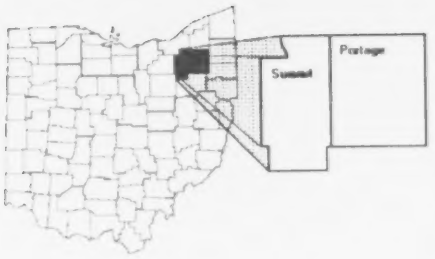
Nonagricultural Wage and Salary Employment, 1979–1987[a] (continued)
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Finance, Insurance, and Real Estate	200.6	203.8	205.8	206.4	207.8	211.5	219.3	232.3	243.8
Finance	.....	.....	.....	.....	101.4	104.1	107.2	112.0	116.4
Insurance	.....	.....	.....	.....	74.8	74.9	77.4	83.5	88.5
Insurance Carriers	57.9	58.3	59.1	59.2	58.1	57.6	59.2	64.0	68.4
Life Insurance	.....	.....	.....	.....	23.0	21.9	22.5	24.3	25.7
Fire, Marine, and Casualty Insurance	.....	.....	.....	.....	27.2	27.3	27.7	28.7	30.2
Real Estate	.....	.....	.....	.....	31.6	32.6	34.7	36.8	38.9
Services	806.2	830.9	851.6	857.3	873.3	905.2	949.5	1001.0	1051.2
Hotels and Other Lodging Places	31.3	30.6	31.2	29.3	29.4	31.0	32.5	33.6	34.6
Personal Services	43.5	43.6	43.9	42.7	43.1	45.1	47.7	49.7	51.8
Business Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Services to Buildings	.....	.....	.....	.....	21.8	23.6	25.9	27.9	29.8
Personnel Supply Services	.....	.....	.....	.....	25.2	34.8	41.7	49.2	57.1
Computer and Data Processing Services	.....	.....	.....	.....	11.4	13.0	15.8	17.5	19.3
Amusements, Including Motion Pictures	.....	.....	.....	.....	47.6	48.6	50.1	51.5	53.3
Health Services	264.9	281.1	297.6	312.3	319.0	322.1	329.9	344.5	360.2
Nursing and Personal Care Facilities	.....	.....	.....	.....	63.6	67.3	71.7	76.2	79.3
Hospitals	150.2	157.9	165.5	173.0	174.2	168.3	165.9	170.1	177.4
Legal Services	.....	.....	.....	.....	20.8	21.7	22.7	24.2	25.9
Educational Services	.....	.....	.....	.....	57.7	58.3	59.0	60.1	60.9
Colleges and Universities	.....	.....	.....	.....	31.4	32.7	32.3	32.7	33.0
Social Services	.....	.....	.....	.....	46.1	50.3	52.8	57.7	65.7
Residential Care	.....	.....	.....	.....	14.0	15.2	16.1	17.0	18.7
Government	674.0	689.9	676.0	659.6	656.1	655.2	665.2	678.9	687.3
Federal Government	90.6	93.3	89.8	89.0	88.6	89.4	92.1	94.0	94.8
U.S. Postal Service	30.8	30.4	29.9	29.8	29.6	30.5	32.0	34.0	34.6
State Government	138.1	141.8	140.7	139.7	140.1	140.5	142.9	148.4	152.7
State Government Education[e]	67.0	69.3	68.7	68.6	69.8	71.4	73.2	76.6	78.7
Local Government	445.3	454.8	445.5	430.9	427.3	425.2	430.3	436.6	439.8
Local Government Education	252.8	258.5	255.3	247.0	243.1	241.7	245.5	250.9	254.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-0 (1979-1987)

Akron
Primary Metropolitan Statistical Area



The estimated annual average civilian labor force in the Akron metropolitan area, distributed by place of residence, advanced 8,100 from 1988 to 333,000 in 1989. Total employment gained 9,900 jobs over the year to 315,100, while unemployment declined 1,900. The unemployment rate dropped from 6.1 percent in 1988 to 5.4 percent in 1989. (See table below.)

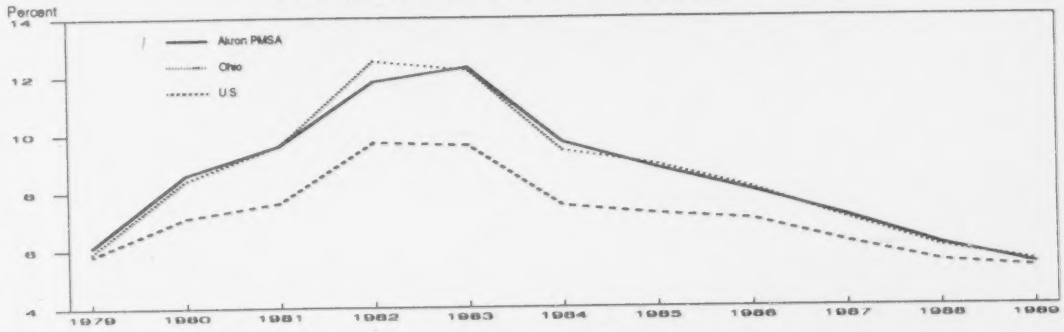
Nonagricultural wage and salary employment rose 3.5 percent, or 9,500, above the 1988 level to 282,200 in 1989. Employment in service-producing industries advanced 7,600 to 203,900. Leading areas of expansion were services (+4,500) and retail trade (+1,600). Noteworthy growth also occurred in wholesale trade. Employment in finance, insurance, and real estate declined slightly. The workforce in goods-producing industries, at 78,300, rose 1,900 over the year primarily due to improvements in manufacturing. Increased production in rubber and miscellaneous plastics products and in industrial machinery and equipment overshadowed a reduction in transportation equipment. Construction employers added 300 jobs during the period.

Akron PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

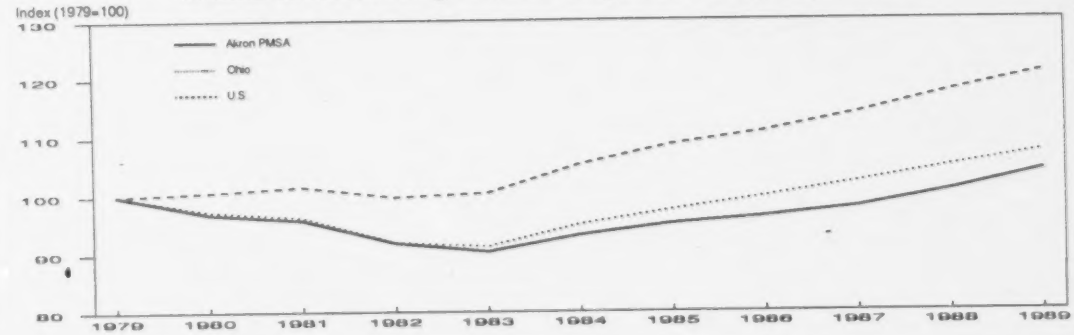
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
303.8	285.4	18.4	6.1	5.9	5.8	1979	270.9	95.3	175.6
304.5	278.3	26.2	8.6	8.4	7.1	1980	262.4	87.6	174.8
304.1	275.0	29.1	9.6	9.6	7.6	1981	259.5	84.0	175.5
303.9	268.0	35.9	11.8	12.5	9.7	1982	248.8	76.0	172.9
302.5	265.2	37.3	12.3	12.2	9.6	1983	244.7	72.8	171.9
316.5	285.8	30.6	9.7	9.4	7.5	1984	252.2	76.2	176.0
317.8	289.9	28.0	8.8	8.9	7.2	1985	257.6	77.2	180.4
320.4	294.8	25.6	8.0	8.1	7.0	1986	260.7	76.4	184.3
320.3	297.5	22.7	7.1	7.0	6.2	1987	265.1	76.1	189.0
324.9	305.2	19.7	6.1	6.0	5.5	1988	272.7	76.4	196.3
333.0	315.1	17.8	5.4	5.5	5.3	1989	282.2	78.3	203.9

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

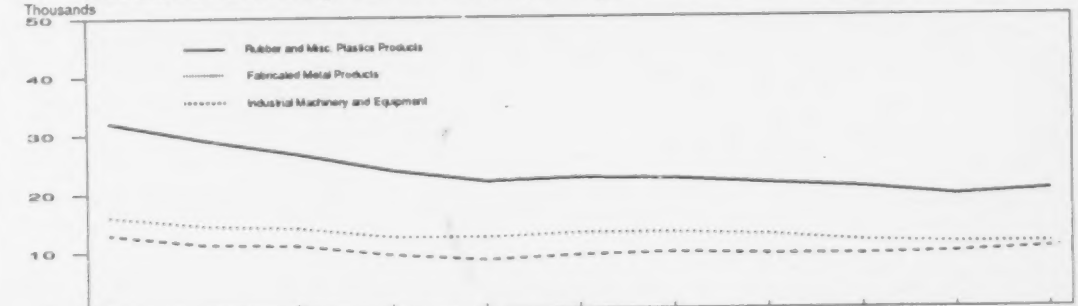
Akron PMSA, Ohio and U.S. Unemployment Rates



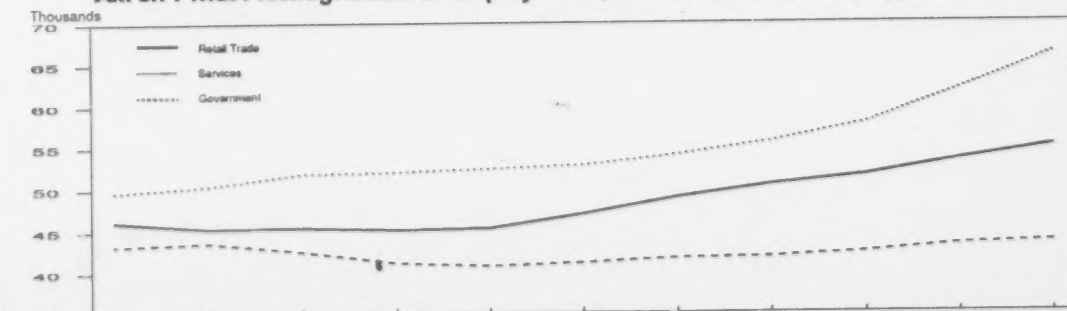
Indexes of Total Nonagricultural Wage and Salary Employment



Akron PMSA Nonagricultural Employment (Selected Goods-Producing Industries)



Akron PMSA Nonagricultural Employment (Selected Service-Producing Industries)



Akron MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	282.2	267.3	271.9	278.8	281.2	284.9	283.0	281.6	281.6	289.1	288.5	289.1	289.4
Goods-Producing Industries[b]	78.3	75.7	75.6	76.7	77.8	78.6	79.6	80.0	79.6	79.7	79.5	78.9	78.2
Construction	10.0	8.5	8.4	8.6	9.5	10.0	10.7	10.9	11.0	11.0	10.9	10.5	9.9
Manufacturing	67.7	66.6	66.7	67.5	67.7	68.1	68.4	68.5	68.0	68.1	67.9	67.8	67.7
Durable Goods[c]	34.9	34.6	34.6	34.7	35.0	35.1	35.1	35.0	34.7	35.1	35.0	35.0	35.0
Fabricated Metal Products	11.1	10.9	10.9	11.0	11.1	11.1	11.0	10.8	11.0	11.2	11.3	11.2	11.1
Fabricated Structural Metal Products	4.8	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9
Industrial Machinery and Equipment	10.2	9.9	9.9	9.9	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.3
Metalworking Machinery	3.8	3.7	3.7	3.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Electronic and Other Electric Equipment	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.5	2.5
Transportation Equipment	5.2	5.5	5.5	5.3	5.3	5.3	5.3	5.3	5.0	5.0	4.9	4.9	4.9
Nondurable Goods[d]	32.8	32.0	32.1	32.8	32.7	32.9	33.2	33.5	33.4	33.0	32.9	32.8	32.7
Food and Kindred Products	3.0	3.0	3.0	3.0	2.9	3.0	3.1	3.1	3.1	3.1	3.1	3.0	3.1
Chemicals and Allied Products	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8	3.6	3.6	3.6	3.6
Rubber and Miscellaneous Plastics Products	20.1	19.5	19.5	20.2	20.1	20.2	20.4	20.5	20.3	20.3	20.2	20.3	20.1
Tires and Inner Tubes	11.0	10.4	10.4	11.0	11.2	11.2	11.3	11.3	11.2	11.2	11.2	11.1	11.1
Service-Producing Industries	203.9	191.6	196.4	202.1	203.4	206.2	203.4	201.6	201.9	209.4	209.0	210.2	211.2
Transportation and Public Utilities	13.1	12.7	12.8	12.9	13.0	13.1	13.1	13.1	13.2	13.3	13.3	13.3	13.3
Communications, Electric, Gas Services	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7
Wholesale Trade	15.5	15.2	15.3	15.5	15.3	15.4	15.5	15.5	15.5	15.5	15.7	15.8	15.8
Retail Trade	55.0	52.3	52.3	54.0	54.5	55.0	55.2	55.1	55.3	55.8	56.0	57.1	57.9
General Merchandise Stores	7.4	6.4	6.2	7.3	7.5	7.3	7.3	7.3	7.3	7.4	7.7	8.3	8.6
Food Stores	9.1	8.7	8.7	8.7	8.8	9.0	9.1	9.2	9.2	9.2	9.2	9.4	9.5
Finance, Insurance, and Real Estate	10.4	10.1	10.1	10.2	10.3	10.4	10.5	10.5	10.7	10.7	10.6	10.6	10.5
Finance	5.3	5.1	5.1	5.2	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Services	66.3	62.1	62.3	63.2	64.4	66.0	68.8	69.1	69.1	69.2	67.2	66.9	67.1
Business Services	11.2	10.3	10.3	10.5	10.8	10.9	11.3	11.5	11.7	11.7	11.8	11.6	11.7
Personnel Supply Services	3.1	2.8	2.7	2.9	3.0	3.0	3.1	3.2	3.4	3.3	3.3	3.3	3.3
Amusements, Including Motion Pictures	5.9	3.9	3.9	4.1	5.0	6.2	7.8	8.1	7.9	7.8	5.5	5.1	5.2
Health Services	21.4	21.2	21.0	21.1	21.0	21.1	21.3	21.6	21.6	21.7	21.8	21.9	21.9
Nursing and Personal Care Facilities	3.7	3.6	3.6	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9
Hospitals	10.8	10.8	10.7	10.8	10.7	10.6	10.8	10.9	10.8	10.8	10.8	10.9	10.9
Social Services	4.7	4.5	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.7	4.7	4.9	4.9
Engineering and Management Services	5.0	4.7	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1

See footnotes at end of table.

Akron PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.5	39.1	43.5	46.3	45.9	46.4	40.4	38.3	38.0	45.0	46.3	46.6	46.7
Federal Government	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
State Government	15.3	12.8	14.9	17.5	17.3	17.1	11.9	11.2	11.0	16.9	17.5	17.6	17.7
State Government Education[e]	12.4	9.9	12.0	14.6	14.4	14.2	8.8	8.2	8.0	13.9	14.7	14.8	14.9
Local Government	25.8	23.9	26.2	26.4	26.2	26.8	26.0	24.6	24.6	25.7	26.4	26.6	26.5
Local Government Education	13.8	12.4[f]	14.7	14.8	14.4	14.7	13.4	11.9	12.1	13.8	14.5	14.6	14.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-1 (1989)

Akron PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.61	$11.58	$11.52	$11.58	$11.62	$11.60	$11.43	$11.45	$11.53	$11.84	$11.74	$11.72	$11.71
Durable Goods[b]	11.83	11.87	11.79	11.81	11.79	11.87	11.59	11.56	11.69	12.17	12.01	11.94	11.83
Fabricated Metal Products	14.32	14.54	14.44	14.40	14.54	14.67	13.79	13.64	13.86	15.01	14.70	14.22	13.82
Fabricated Structural Metal Products	11.18	11.03	10.91	10.92	10.89	10.98	11.10	11.00	11.02	11.05	11.11	12.40	11.47
Industrial Machinery and Equipment	10.50	10.24	10.31	10.37	10.22	10.17	10.44	10.56	10.55	10.67	10.65	10.72	11.00
Metalworking Machinery	11.03	10.80	10.99	10.89	10.77	10.79	10.89	11.12	11.15	11.28	11.21	11.23	11.20
Electronic and Other Electric Equipment	9.79	9.77	9.73	9.80	9.72	9.76	9.68	9.76	10.09	9.73	9.75	9.82	9.86
Transportation Equipment	14.57	14.88	14.60	14.54	14.19	14.33	14.37	14.67	14.37	14.31	14.48	14.84	15.16
Nondurable Goods[c]	11.31	11.18	11.16	11.27	11.39	11.23	11.21	11.31	11.32	11.38	11.38	11.41	11.52
Food and Kindred Products	9.81	10.36	10.35	10.18	10.09	9.83	9.61	9.60	9.53	9.48	9.45	9.75	9.55
Chemicals and Allied Products	12.12	11.90	11.99	12.15	12.10	12.04	11.90	11.88	12.29	12.37	12.35	12.28	12.17
Rubber and Miscellaneous Plastics Products	11.23	10.97	10.97	11.09	11.16	11.22	11.33	11.36	11.34	11.35	11.28	11.27	11.46
Tires and Inner Tubes	16.45	16.07	16.05	16.42	16.42	16.46	16.70	16.73	16.69	16.38	16.42	16.46	16.54
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.44	14.12	14.16	14.18	14.18	14.22	14.40	14.55	14.67	14.67	14.77	14.71	14.63
Wholesale Trade	9.56	9.31	9.22	9.46	9.46	9.50	9.60	9.78	9.72	9.70	9.64	9.70	9.65
Retail Trade[d]	6.65	6.44	6.52	6.52	6.63	6.61	6.60	6.63	6.65	6.78	6.79	6.78	6.86
General Merchandise Stores	6.55	6.51	6.56	6.55	6.55	6.57	6.55	6.57	6.57	6.65	6.53	6.38	6.58
Food Stores	8.62	8.47	8.54	8.43	8.54	8.78	8.82	8.64	8.49	8.65	8.70	8.71	8.64

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-1 (1989)

Akron PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.7	42.9	42.5	42.8	42.5	42.7	42.3	42.1	42.6	43.2	42.4	42.9	43.1
Durable Goods[b]	43.0	43.4	43.0	43.3	42.5	43.1	42.4	41.9	42.8	44.0	42.6	43.5	43.6
Fabricated Metal Products	42.8	42.8	42.9	42.9	42.2	44.4	41.8	40.4	43.0	46.1	42.7	43.6	41.2
Fabricated Structural Metal Products	41.8	39.2	39.6	39.6	39.4	41.2	42.9	41.5	43.2	42.9	42.4	47.8	42.4
Industrial Machinery and Equipment	45.3	45.9	45.6	46.3	44.9	44.6	44.7	44.8	44.7	45.3	44.8	45.1	46.6
Metalworking Machinery	46.1	46.0	47.3	46.8	44.5	45.5	45.6	45.9	46.2	46.3	46.7	46.3	46.1
Electronic and Other Electric Equipment	39.7	39.8	40.1	38.8	41.0	39.9	38.7	38.4	38.9	39.7	39.6	41.0	40.6
Transportation Equipment	43.5	45.4	44.2	44.8	42.0	42.2	42.5	42.9	42.6	42.5	43.1	44.5	45.9
Nondurable Goods[c]	42.2	42.2	42.0	42.2	42.6	42.1	42.3	42.4	42.3	42.2	42.1	42.2	42.3
Food and Kindred Products	41.9	41.8	40.2	43.0	41.6	42.0	41.9	42.3	41.2	42.9	41.7	43.0	41.6
Chemicals and Allied Products	42.4	42.3	41.5	42.3	41.7	41.5	40.9	40.8	43.1	44.2	43.4	43.9	43.7
Rubber and Miscellaneous Plastics Products	43.1	42.7	42.9	42.3	43.1	43.6	43.9	43.5	43.6	43.1	42.4	42.5	43.1
Tires and Inner Tubes	49.3	47.1	47.2	50.1	50.2	49.7	52.2	52.1	51.0	47.6	47.1	47.4	50.1
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.3	40.8	40.6	40.6	40.9	41.1	41.5	41.7	41.9	41.9	41.6	41.4	41.4
Wholesale Trade	36.9	37.2	36.7	37.1	37.1	36.6	37.0	37.5	37.1	36.7	36.7	36.7	36.9
Retail Trade	32.2	32.2	32.3	32.2	32.4	32.6	32.6	33.1	32.4	31.8	31.5	31.2	32.2
General Merchandise Stores	32.1	31.9	32.6	32.3	32.8	32.8	33.0	33.2	31.4	31.3	31.0	30.0	32.6
Food Stores	37.9	39.3	38.1	37.3	37.1	37.4	38.1	38.7	39.2	39.0	37.7	36.5	36.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-1 (1989)

Akron PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$495.75	$496.78	$489.60	$495.62	$493.85	$495.32	$483.49	$482.05	$491.18	$511.49	$497.78	$502.79	$504.70
Durable Goods[b]	508.69	515.16	506.97	511.37	501.08	511.60	491.42	484.36	500.33	535.48	511.63	519.39	515.79
Fabricated Metal Products	612.90	622.31	619.48	617.76	613.59	651.35	576.42	551.06	595.98	691.96	627.69	619.99	569.38
Fabricated Structural Metal Products	467.32	432.38	432.04	432.43	429.07	452.38	476.19	456.50	476.06	474.05	471.06	592.72	486.33
Industrial Machinery and Equipment	475.65	470.02	470.14	480.13	458.88	453.58	466.67	473.09	471.59	483.35	477.12	483.47	512.60
Metalworking Machinery	508.48	496.80	519.83	509.65	479.27	490.95	496.58	510.41	515.13	522.26	523.51	519.95	516.32
Electronic and Other Electric Equipment	388.66	388.85	390.17	380.24	398.52	389.42	374.62	374.78	392.50	386.28	386.10	402.62	400.32
Transportation Equipment	633.80	675.55	645.32	651.39	595.98	604.73	610.73	629.34	612.16	608.18	624.09	660.38	695.84
Nondurable Goods[c]	477.28	471.80	468.72	475.59	485.21	472.78	474.18	479.54	478.84	480.24	479.10	481.50	487.30
Food and Kindred Products	411.04	433.05	416.07	437.74	419.74	412.86	402.66	406.08	392.64	406.69	394.07	419.25	397.28
Chemicals and Allied Products	513.89	503.37	497.59	513.95	504.57	499.66	486.71	484.70	529.70	546.75	535.99	539.09	531.83
Rubber and Miscellaneous Plastics Products	484.01	468.42	470.61	469.11	481.00	489.19	497.39	494.16	494.42	489.19	478.27	478.98	493.93
Tires and Inner Tubes	810.99	756.90	757.56	822.64	824.28	818.06	871.74	871.63	851.19	779.69	773.38	780.20	828.65
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	596.37	576.10	574.90	575.71	579.96	584.44	597.60	606.74	614.67	614.67	614.43	608.99	605.68
Wholesale Trade	352.76	346.33	338.37	350.97	350.97	347.70	355.20	366.75	360.61	355.99	353.79	355.99	356.09
Retail Trade[d]	214.13	207.37	210.60	209.94	214.81	215.49	215.16	219.45	215.46	215.60	213.89	211.54	220.89
General Merchandise Stores	210.26	207.67	213.86	211.57	214.84	215.50	216.15	218.12	206.30	208.15	202.43	191.40	214.51
Food Stores	326.70	332.87	325.37	314.44	316.83	328.37	336.04	334.37	332.81	337.35	327.99	317.92	313.63
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	273.53	270.32	275.76	275.46	273.25	276.55	277.15	275.84	273.04	272.59	268.74	267.48	277.11

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-1 (1989)

Akron MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	272.7	260.1	264.7	268.2	271.7	274.7	271.9	272.3	271.5	280.1	279.0	279.2	279.1
Goods-Producing Industries[b]	76.4	73.4	73.4	74.3	75.7	76.4	77.8	77.9	77.5	78.1	78.2	77.9	76.6
Construction	9.7	7.8	7.8	8.0	9.2	9.8	10.5	10.6	10.7	10.8	10.7	10.3	9.6
Manufacturing	66.2	65.0	65.0	65.7	66.0	66.0	66.7	66.7	66.2	66.7	66.9	67.0	66.4
Durable Goods[c]	34.4	33.2	33.3	33.9	34.2	34.5	35.0	34.8	34.3	34.8	34.8	35.0	34.7
Fabricated Metal Products	11.1	10.5	10.8	11.2	11.4	11.4	11.6	11.2	10.9	11.1	11.0	11.0	10.9
Fabricated Structural Metal Products	4.9	4.9	4.9	4.9	4.9	5.0	5.1	4.8	4.8	4.9	4.8	4.8	4.8
Industrial Machinery and Equipment	9.5	9.2	9.1	9.2	9.3	9.3	9.5	9.6	9.5	9.6	9.7	9.8	9.8
Metalworking Machinery	3.5	3.5	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6
Electronic and Other Electric Equipment	2.5	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6
Transportation Equipment	5.6	5.8	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.5
Nondurable Goods[d]	31.8	31.8	31.7	31.8	31.8	31.5	31.7	31.9	31.9	31.9	32.1	32.0	31.7
Food and Kindred Products	3.0	2.9	2.8	2.8	3.0	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
Chemicals and Allied Products	3.6	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5
Rubber and Miscellaneous Plastics Products	19.2	19.1	19.1	19.2	19.1	18.9	19.0	19.2	19.3	19.4	19.6	19.5	19.3
Tires and Inner Tubes	10.4	10.5	10.4	10.4	10.4	10.3	10.3	10.5	10.6	10.4	10.5	10.5	10.4
Service-Producing Industries	196.3	186.7	191.3	194.0	196.0	198.3	194.1	194.4	194.0	202.0	200.8	201.3	202.5
Transportation and Public Utilities	12.8	12.6	12.6	12.7	12.7	12.8	12.9	12.8	12.9	12.9	13.0	12.9	13.0
Communications, Electric, Gas Services	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.9	4.9	4.8
Wholesale Trade	14.6	14.2	14.2	14.1	14.3	14.3	14.5	14.6	14.6	14.8	15.0	15.1	15.3
Retail Trade	53.4	51.6	51.2	51.8	53.1	53.6	53.9	53.7	54.0	54.2	53.7	54.5	55.3
General Merchandise Stores	6.3	6.7	6.3	6.2	6.2	6.2	6.1	6.2	6.1	6.2	6.4	6.6	6.7
Food Stores	8.8	8.4	8.3	8.4	8.6	8.7	8.8	8.9	8.9	8.9	9.1	9.3	9.4
Finance, Insurance, and Real Estate	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.2	10.3
Finance	5.3	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.2	5.2	5.1	5.1
Services	61.8	57.6	58.1	59.4	60.2	61.6	63.4	64.4	64.6	64.8	62.8	62.4	62.8
Business Services	9.9	9.3	9.4	10.3	9.5	9.6	9.8	10.3	10.4	10.4	10.1	10.0	10.1
Personnel Supply Services	2.7	2.4	2.4	3.3	2.5	2.5	2.6	2.8	3.0	2.9	2.6	2.6	2.6
Amusements, Including Motion Pictures	4.8	3.2	3.3	3.4	4.0	4.8	5.6	6.7	6.7	6.7	4.5	4.2	4.2
Health Services	20.3	19.7	19.7	19.8	20.0	20.1	20.3	20.2	20.4	20.5	20.8	20.8	21.0
Nursing and Personal Care Facilities	3.2	3.0	3.1	3.0	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4
Hospitals	10.4	10.2	10.2	10.3	10.2	10.2	10.4	10.3	10.4	10.5	10.6	10.6	10.7
Social Services	4.4	4.3	4.3	4.3	4.3	4.4	4.3	4.4	4.4	4.3	4.5	4.6	4.6
Engineering and Management Services	4.7	4.3	4.3	4.4	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.1

See footnotes at end of table

Akron PMSA

Nonagricultural Wage and Salary Employment, 1988[B] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.2	40.2	44.8	45.3	45.1	45.4	38.9	38.3	37.3	44.7	45.9	46.2	46.0
Federal Government	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4
State Government	15.0	12.1	16.3	16.7	16.6	16.5	11.1	11.2	10.8	16.5	17.2	17.3	17.4
State Government Education[e]	12.0	9.2	13.4	13.7	13.6	13.5	8.0	8.0	7.7	13.5	14.3	14.4	14.5
Local Government	25.8	25.7	26.0	26.2	26.1	26.5	25.4	24.7	24.1	25.8	26.2	26.4	26.1
Local Government Education	13.9	14.4	14.7	14.9	14.6	14.6	12.9	12.2	11.7	13.8	14.3	14.5	14.5

[B]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-1 (1988)

Akron PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.60	$11.36	$11.40	$11.54	$11.83	$11.79	$11.89	$11.59	$11.40	$11.46	$11.55	$11.71	$11.57
Durable Goods[b]	11.83	11.61	11.67	11.83	12.22	12.07	12.28	11.71	11.37	11.58	11.75	11.93	11.86
Fabricated Metal Products	14.36	13.80	13.83	14.31	15.10	14.59	15.04	13.77	13.77	14.15	14.70	14.47	14.52
Fabricated Structural Metal Products	11.33	11.70	11.78	11.63	11.50	11.36	11.21	11.11	10.24	11.20	11.34	11.13	11.01
Industrial Machinery and Equipment	10 25	10.17	10.20	10.10	10.38	10.38	10.37	10.32	10.14	10.29	10.27	10.18	10.19
Metalworking Machinery	10.61	10.52	10.43	10.32	10.54	10.62	10.74	10.77	10.48	10.65	10.68	10.76	10.81
Electronic and Other Electric Equipment	9.87	10.27	10.14	10.08	9.87	9.93	9.78	9.82	9.78	9.74	9.73	9.75	9.65
Transportation Equipment	14.26	13.76	14.23	14.03	13.93	14.29	14.37	14.49	13.92	14.15	14.19	14.71	14.88
Nondurable Goods[c]	11.22	11.01	11.01	11.07	11.20	11.25	11.22	11.35	11.43	11.30	11.29	11.40	11.17
Food and Kindred Products	10.77	10.90	10.94	10.84	10.56	10.84	10.59	10.68	10.84	10.88	10.72	10.75	10.67
Chemicals and Allied Products	11.83	11.74	11.68	11.83	11.58	11.76	11.67	11 68	11.94	11.90	11.98	12.18	11.99
Rubber and Miscellaneous Plastics Products	11.30	11.18	11.23	11.28	11.40	11.40	11.40	11.44	11.47	11.30	11.21	11.27	11.05
Tires and Inner Tubes	16.01	15.67	15.81	15.83	16.06	16.13	16.18	16.13	16.19	16.02	15.95	15.95	16.14
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	13.98	13.89	13.85	13.87	13.81	13.77	13.83	14.03	14.11	14.17	14.16	14.19	14.08
Wholesale Trade	9.27	9.03	8.96	9.16	9.25	9.06	9.23	9.34	9.53	9.36	9.43	9.55	9.34
Retail Trade[d]	6.30	6.30	6.28	6.37	6.30	6.29	6.28	6.23	6.25	6.29	6.34	6.28	6.39
General Merchandise Stores	6.51	6.27	6.56	6.55	6.53	6.62	6.52	6.61	6.64	6.59	6.68	6.51	6.14
Food Stores	8.53	8.81	8.74	8.88	8.69	8.59	8.[illegible]3	8.32	8.35	8.34	8.26	8.50	8.59

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [e]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-1 (1988)

Akron PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.3	43.2	43.1	43.3	43.8	43.4	44.2	43.2	42.7	43.3	42.9	43.0	43.2
Durable Goods[b]	43.3	43.1	43.1	43.4	44.0	43.6	44.8	42.7	41.7	43.4	43.0	43.0	43.4
Fabricated Metal Products	44.2	43.8	43.5	45.0	46.8	45.4	48.2	42.4	41.8	44.1	43.1	43.1	42.7
Fabricated Structural Metal Products	43.4	46.7	45.6	45.0	43.8	43.9	45.9	45.8	41.2	40.3	40.3	40.5	39.9
Industrial Machinery and Equipment	44.8	44.5	44.5	43.7	44.1	44.3	44.6	45.6	43.7	45.4	45.5	45.5	46.0
Metalworking Machinery	45.5	45.3	45.0	44.5	45.2	45.5	46.4	46.5	43.5	46.3	45.3	45.9	46.5
Electronic and Other Electric Equipment	39.5	39.8	39.9	40.4	39.6	39.0	40.2	38.1	37.4	39.3	40.1	40.3	39.6
Transportation Equipment	42.9	44.0	45.0	43.6	42.6	42.3	42.6	42.1	39.6	40.7	40.3	43.0	46.3
Nondurable Goods[c]	43.3	43.7	42.9	43.0	43.5	43.1	43.4	43.9	44.0	43.2	42.9	43.2	43.1
Food and Kindred Products	42.6	43.9	43.5	42.9	42.4	41.9	42.8	43.5	42.5	43.2	42.2	42.1	41.0
Chemicals and Allied Products	43.2	44.2	43.7	44.4	42.9	42.5	41.9	43.5	43.8	43.9	42.0	42.9	42.6
Rubber and Miscellaneous Plastics Products	44.4	44.7	44.2	44.0	44.6	44.5	45.0	44.8	45.1	44.1	44.0	43.9	44.4
Tires and Inner Tubes	49.8	50.0	49.6	49.5	49.2	50.3	50.8	51.1	51.1	49.2	48.0	47.9	50.6
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.0	40.4	40.5	40.4	40.6	41.0	40.8	41.2	41.4	41.6	41.5	[illegible]	40.9
Wholesale Trade	37.4	37.0	37.4	38.1	37.8	38.5	38.3	37.7	37.2	37.1	36.6	36.7	36.9
Retail Trade	31.8	30.6	30.6	30.8	31.2	31.4	31.9	32.5	32.4	32.1	32.3	32.3	33.4
General Merchandise Stores	32.4	32.2	31.1	31.6	32.5	32.4	32.9	32.8	32.4	31.8	31.8	32.3	34.8
Food Stores	37.9	35.5	36.3	36.5	36.8	37.0	38.8	39.4	39.0	38.7	38.2	37.6	40.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-1 (1988)

Akron PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$502.28	$490.75	$491.34	$499.68	$518.15	$511.69	$525.54	$500.69	$486.78	$496.22	$495.50	$503.53	$499.82
Durable Goods[b]	512.24	500.39	502.98	513.42	537.68	526.25	550.14	500.02	474.13	502.57	505.25	512.99	514.72
Fabricated Metal Products	634.71	604.44	601.61	643.95	706.68	662.39	724.93	583.85	575.59	624.02	633.57	623.66	620.00
Fabricated Structural Metal Products	491.72	546.39	537.17	523.35	503.70	498.70	514.54	508.84	421.89	451.36	457.00	450.77	439.30
Industrial Machinery and Equipment	459.20	452.57	453.90	441.37	457.76	459.83	462.50	470.59	443.12	467.17	467.29	463.19	468.74
Metalworking Machinery	482.76	476.56	469.35	459.24	476.41	483.21	498.34	500.81	455.88	493.10	483.80	493.88	502.67
Electronic and Other Electric Equipment	389.87	408.75	404.59	407.23	390.85	387.27	393.16	374.14	365.77	382.78	390.17	392.93	382.14
Transportation Equipment	611.75	605.44	640.35	611.71	593.42	604.47	612.16	610.03	551.23	575.91	571.86	632.53	688.94
Nondurable Goods[c]	485.83	481.14	472.33	476.01	487.20	484.88	486.95	498.27	502.92	488.16	484.34	492.48	481.43
Food and Kindred Products	458.80	478.51	475.89	465.04	447.74	454.20	453.25	464.58	460.70	470.02	452.38	452.58	437.47
Chemicals and Allied Products	511.06	518.91	510.42	525.25	496.78	499.80	488.97	508.08	522.97	522.41	503.16	522.52	510.77
Rubber and Miscellaneous Plastics Products	501.72	499.75	496.37	496.32	508.44	507.30	513.00	512.51	517.30	498.33	493.24	494.75	490.62
Tires and Inner Tubes	797.30	783.50	784.18	783.59	790.15	811.34	821.94	824.24	827.31	788.18	765.60	764.01	816.68
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	573.18	561.16	560.93	560.35	560.69	564.57	564.26	578.04	584.15	589.47	587.64	590.30	575.87
Wholesale Trade	346.70	334.11	335.10	349.00	349.65	348.81	353.51	352.12	354.52	347.26	345.14	350.49	344.65
Retail Trade[d]	200.34	192.78	192.17	196.20	196.56	197.51	200.33	202.48	202.50	201.91	204.78	202.84	213.43
General Merchandise Stores	210.92	201.89	204.02	206.98	212.23	214.49	214.51	216.81	215.14	209.56	212.42	210.27	213.67
Food Stores	323.29	312.76	317.26	324.12	319.79	317.83	325.14	327.81	325.65	322.76	315.53	319.60	345.32

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [t]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-1 (1988)

Akron PMSA

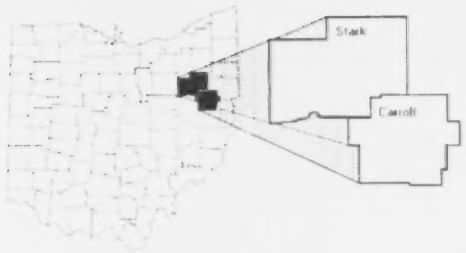
Nonagricultural Wage and Salary Employment, 1979–1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	270.9	262.4	259.5	248.8	244.7	252.2	257.6	260.7	265.1
Goods-Producing Industries[b]	95.3	87.6	84.0	76.0	72.8	76.2	77.2	76.4	76.1
Construction	9.2	8.0	7.7	7.0	6.9	7.6	8.2	8.6	9.1
Manufacturing	85.6	79.1	75.7	68.3	65.2	67.9	68.1	67.2	66.4
Durable Goods[c]	41.3	38.0	37.4	33.6	32.4	34.8	35.1	34.7	33.9
Fabricated Metal Products	16.1	14.5	14.0	12.5	12.3	13.0	13.0	12.6	11.5
Fabricated Structural Metal Products	.....	.....	.....	.....	5.7	5.7	5.8	5.8	5.1
Industrial Machinery and Equipment	13.0	11.3	11.0	9.4	8.5	9.2	9.6	9.3	9.2
Metalworking Machinery	.....	.....	.....	.....	3.1	3.3	3.4	3.3	3.4
Electronic and Other Electric Equipment	.....	.....	.....	.....	2.3	2.6	2.5	2.3	2.2
Transportation Equipment	.....	.....	.....	.....	5.0	5.5	5.8	6.2	6.0
Nondurable Goods[d]	44.3	41.2	38.3	34.7	32.8	33.1	33.0	32.5	32.6
Food and Kindred Products	3.2	3.2	2.9	2.7	2.6	2.6	2.8	2.8	2.9
Chemicals and Allied Products	4.0	3.6	3.4	3.3	3.1	2.8	2.7	2.8	3.3
Rubber and Miscellaneous Plastics Products	32.1	29.1	26.7	23.8	21.9	22.5	22.2	21.4	20.7
Tires and Inner Tubes	24.7	22.5	20.2	17.7	15.5	15.4	15.2	14.0	12.5
Service-Producing Industries	175.6	174.8	175.5	172.9	171.9	176.0	180.4	184.3	189.0
Transportation and Public Utilities	15.2	14.2	14.0	13.1	12.5	13.0	12.8	12.9	12.8
Communications, Electric, Gas Services	5.3	5.4	5.5	5.6	5.4	5.4	5.3	5.3	5.2
Wholesale Trade	12.0	12.0	12.5	12.2	11.9	13.0	13.4	13.5	14.0
Retail Trade	46.2	45.3	45.4	45.1	45.2	46.9	48.9	50.4	51.6
General Merchandise Stores	.....	.....	.....	.....	6.6	6.8	6.8	6.7	6.4
Food Stores	7.8	7.7	7.9	7.8	7.9	8.1	8.3	8.5	8.4
Finance, Insurance, and Real Estate	9.4	9.3	9.3	9.3	9.1	9.2	9.6	10.2	10.6
Services	49.7	50.4	51.8	52.1	52.3	52.8	54.0	55.6	57.8
Health Services	.....	.....	.....	.....	17.7	17.5	17.5	18.0	19.3
Hospitals	.....	.....	.....	.....	10.2	9.5	9.1	9.1	9.8
Social Services	.....	.....	.....	.....	3.0	3.1	3.1	3.6	4.0
Government	43.2	43.6	42.5	41.1	40.7	41.1	41.6	41.7	42.2
Federal Government	2.1	2.3	2.1	2.0	2.1	2.1	2.2	2.4	2.4
State Government	12.4	12.8	12.8	12.8	13.1	13.3	13.7	14.1	14.4
State Government Education[e]	.....	.....	.....	.....	10.1	10.5	10.8	11.1	11.4
Local Government	28.7	28.4	27.6	26.3	25.5	25.6	25.7	25.3	25.4
Local Government Education	.....	.....	.....	.....	13.6	13.4	13.6	13.7	13.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1989 benchmarks. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-1 (1979-1987)

Canton Metropolitan Statistical Area



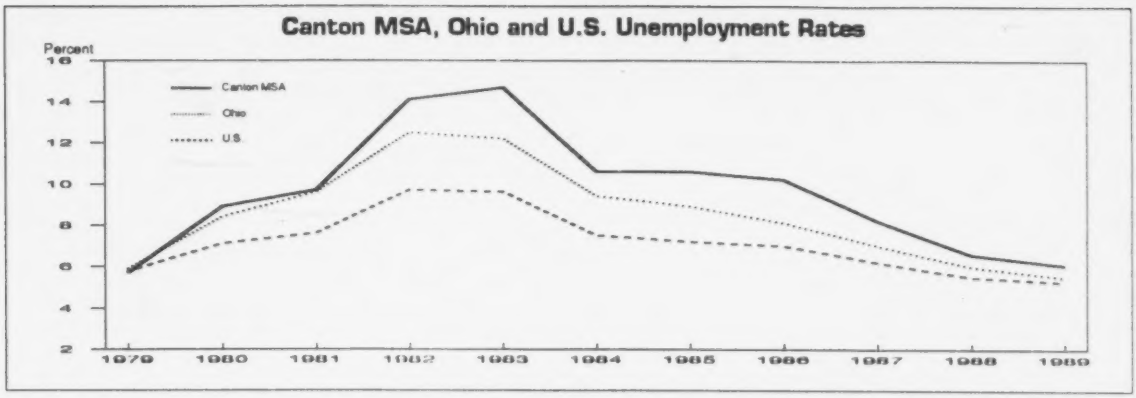
Based on place of residence, the estimated annual average civilian labor force in the Canton metropolitan area rose 3,600 from 1988 to 194,100 in 1989. Total employment, at 182,300, increased 4,300 over the year, while unemployment decreased 800. The unemployment rate dropped from 6.6 percent in 1988 to 6.1 percent in 1989. (See table below.)

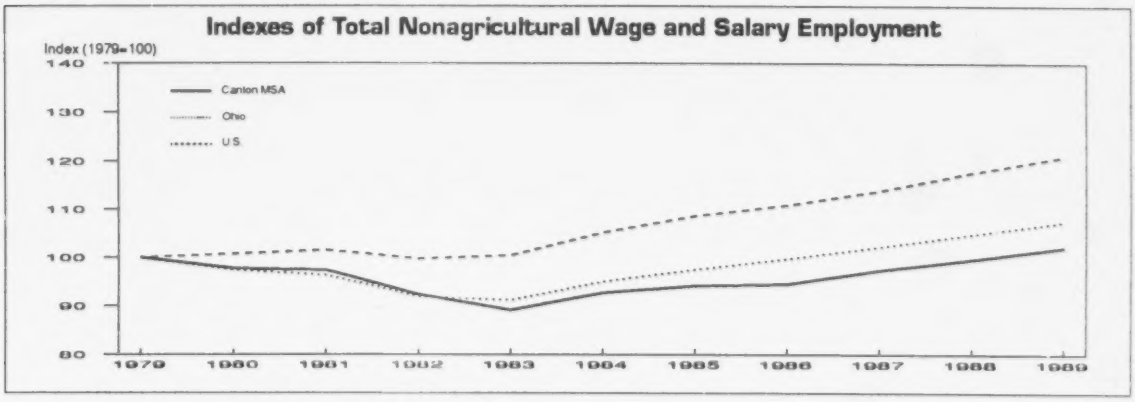
Nonagricultural wage and salary employment advanced 2.5 percent, from 160,100 in 1988 to 164,100 in 1989. Expansion in service-producing industries contributed 77.5 percent of the gain, or 3,100 jobs. Noteworthy growth occurred in services and retail trade. Modest gains were posted in wholesale trade, finance, insurance, and real estate, and government. Employment in transportation and public utilities was unchanged over the year. The workforce in goods-producing industries increased 1,000 above the 1988 level to 53,500 primarily due to improvements in construction employment and scattered increases in manufacturing. Modest growth in rubber and miscellaneous plastics products, primary metal industries, and food and kindred products offset reductions in fabricated metal products and electronic and other electric equipment.

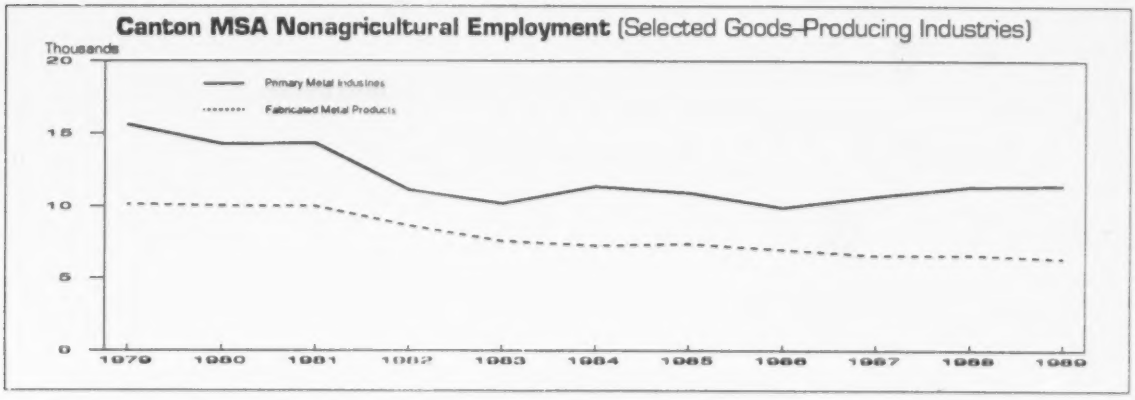
Canton MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

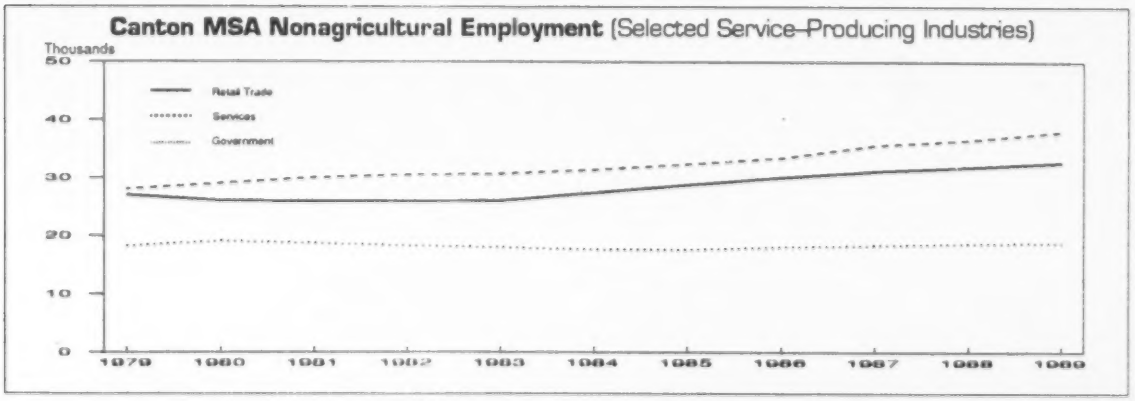
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
184.3	173.7	10.6	5.7	5.9	5.8	1979	160.8	66.6	94.2
187.7	170.9	16.8	8.9	8.4	7.1	1980	157.1	62.3	94.9
188.4	170.2	18.3	9.7	9.6	7.6	1981	156.6	61.2	95.4
191.4	164.3	27.0	14.1	12.5	9.7	1982	148.6	53.5	95.1
187.0	159.5	27.5	14.7	12.2	9.6	1983	143.4	49.0	94.4
188.1	168.1	19.9	10.6	9.4	7.5	1984	149.1	52.6	96.5
189.5	169.5	20.0	10.6	8.9	7.2	1985	151.5	52.7	98.8
190.5	171.2	19.4	10.2	8.1	7.0	1986	151.9	50.0	101.9
190.4	174.7	15.7	8.2	7.0	6.2	1987	156.4	50.9	105.5
190.5	178.0	12.6	6.6	6.0	5.5	1988	160.1	52.5	107.6
194.1	182.3	11.8	6.1	5.5	5.3	1989	164.1	53.5	110.7

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.


Canton MSA, Ohio and U.S. Unemployment Rates
Percent
16
14
12
10
8
6
4
2
Canton MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
140
130
120
110
100
90
80
Canton MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989


Canton MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
20
15
10
5
0
Primary Metal Industries
Fabricated Metal Products
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989


Canton MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
50
40
30
20
10
0
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989

Canton MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	164.1	161.2	160.8	162.2	163.0	164.7	165.7	165.2	164.9	166.3	161.8	166.5	167.2
Goods-Producing Industries[b]	53.5	53.1	52.8	53.1	53.4	54.1	54.8	54.5	54.5	54.6	49.2	54.0	53.5
Construction	7.1	6.1	6.0	6.2	6.7	7.1	7.6	7.9	7.8	7.8	7.9	7.6	7.1
Manufacturing	45.6	46.2	46.1	46.2	46.0	46.2	46.4	45.9	45.9	46.0	40.6	45.7	45.6
Durable Goods[c]	33.7	34.5	34.3	34.5	34.3	34.4	34.5	34.1	34.1	34.1	28.7[f]	33.7	33.7
Primary Metal Industries	11.5	11.8	11.8	11.9	11.9	11.9	11.8	11.5	11.7	11.6	9.1[f]	11.2	11.3
Fabricated Metal Products	6.4	6.6	6.5	6.5	6.4	6.4	6.4	6.3	6.4	6.3	6.3	6.2	6.3
Electronic and Other Electric Equipment	4.2	4.5	4.2	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.0
Nondurable Goods[d]	11.8	11.8	11.7	11.7	11.7	11.8	11.9	11.8	11.7	11.9	11.9	12.0	12.0
Food and Kindred Products	3.3	3.2	3.2	3.2	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4
Rubber and Miscellaneous Plastics Products	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.1
Service-Producing Industries	110.7	108.1	108.0	109.1	109.6	110.7	110.9	110.6	110.4	111.7	112.5	112.5	113.7
Transportation and Public Utilities	5.7	5.6	5.6	5.6	5.5	5.7	5.7	5.7	5.8	5.8	5.7	5.7	5.6
Communications, Electric, Gas Services	2.7	2.7	2.7	2.7	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Wholesale Trade	8.5	8.5	8.4	8.5	8.4	8.5	8.6	8.6	8.6	8.5	8.5	8.5	8.5
Retail Trade	32.6	31.7	31.0	31.9	31.9	32.3	32.8	32.6	32.9	33.0	33.4	33.6	34.5
General Merchandise Stores	4.1	3.8	3.6	4.2	4.1	4.0	4.0	4.0	4.1	4.1	4.2	4.5	4.6
Food Stores	5.5	5.5	5.4	5.4	5.4	5.4	5.6	5.5	5.5	5.6	5.6	5.6	5.7
Finance, Insurance, and Real Estate	6.8	6.8	6.7	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.8	6.8	6.8
Finance	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9
Services	38.0	36.4	36.8	37.1	37.8	38.1	38.4	38.6	38.5	38.7	38.7	38.6	38.6
Health Services	15.6	15.2	15.2	15.3	15.5	15.6	15.7	15.8	15.8	15.8	15.7	15.8	15.7
Nursing and Personal Care Facilities	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.7	3.7	3.8	3.8
Hospitals	7.3	7.1	7.1	7.1	7.3	7.4	7.5	7.5	7.4	7.4	7.4	7.4	7.3
Government	19.0	19.1	19.4	19.1	19.1	19.4	18.6	18.2	17.7	18.8	19.4	19.3	19.7
Federal Government	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.4
State Government (Includes Education)	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local Government	15.9	16.1	16.3	16.0	16.0	16.2	15.5	15.1	14.7	15.8	16.3	16.3	16.6
Local Government Education	9.5	9.7	9.9	9.8	9.7	9.9	9.1	8.4	8.2	9.4	9.9	10.0	10.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-2 (1989)

Canton MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.17	$11.06	$11.02	$11.09	$11.18	$11.21	$11.26	$11.15	$11.24	$11.28	$11.07	$11.22	$11.22
Durable Goods[b]	11.54	11.47	11.41	11.47	11.54	11.58	11.61	11.50	11.60	11.63	11.44	11.61	11.60
Primary Metal Industries	11.49	11.31	11.34	11.35	11.48	11.55	11.44	11.42	11.59	11.62	11.51	11.56	11.73
Fabricated Metal Products	11.92	11.89	11.90	11.85	11.83	11.78	11.84	11.94	11.88	12.06	12.10	11.96	11.97
Electronic and Other Electric Equipment	13.12	12.81	12.91	12.91	13.00	13.08	13.38	13.11	13.11	13.27	13.22	13.26	13.34
Nondurable Goods[c]	9.95	9.66	9.68	9.80	9.96	9.95	10.07	10.02	10.08	10.14	10.09	10.03	9.96
Food and Kindred Products	10.33	9.57	9.62	9.96	10.40	10.80	10.55	10.62	10.45	10.58	10.44	10.39	10.49
Rubber and Miscellaneous Plastics Products	9.68	9.66	9.66	9.76	9.77	9.63	9.74	9.59	9.66	9.74	9.60	9.64	9.65
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.23	14.10	13.97	13.89	14.10	14.00	14.21	14.28	14.34	14.55	14.53	14.40	14.36
Wholesale Trade	9.98	10.21	10.21	10.18	10.09	9.96	9.98	9.99	9.87	9.85	9.88	9.78	9.80
Retail Trade[d]	5.85	5.70	5.69	5.72	5.82	5.80	5.81	5.82	5.84	5.96	5.94	6.01	6.03
General Merchandise Stores	6.30	6.26	6.32	6.26	6.20	6.27	6.25	6.24	6.25	6.31	6.32	6.39	6.50
Food Stores	5.72	5.60	5.59	5.66	5.74	5.74	5.71	5.63	5.72	5.76	5.84	5.79	5.83
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	5.89	5.79	5.68	5.76	5.75	5.77	6.03	6.01	5.85	5.92	5.97	6.03	6.11

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [l]Depressed due to labor-management disputes during part of pay period. [p]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-2 (1989)

Canton MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	41.8	43.0	42.1	41.9	42.0	42.0	42.3	40.8	41.3	41.4	41.2	41.2	41.7
Durable Goods[b]	42.6	44.3	43.0	42.9	42.9	43.0	43.4	41.4	41.9	42.0	42.1	41.8	42.5
Primary Metal Industries	44.5	47.8	46.1	45.5	45.6	46.2	46.4	42.6	42.3	42.0	41.1	42.6	44.0
Fabricated Metal Products	40.8	40.9	40.4	40.5	40.3	39.6	39.7	39.8	40.1	42.1	45.2	40.8	40.8
Electronic and Other Electric Equipment	40.3	40.7	39.6	38.4	38.6	39.3	42.7	40.7	41.0	41.4	41.0	40.2	40.1
Nondurable Goods[c]	39.2	39.0	39.2	38.9	39.3	39.0	39.2	38.8	39.3	39.7	39.1	39.3	39.2
Food and Kindred Products	37.8	36.0	38.4	37.3	37.6	38.4	37.7	37.7	37.1	38.2	38.1	38.4	39.0
Rubber and Miscellaneous Plastics Products	41.2	41.7	42.1	41.2	41.3	41.2	41.5	40.2	41.2	41.4	40.6	41.3	40.8
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.6	40.8	39.7	39.7	40.7	40.6	41.1	41.0	41.1	41.5	40.5	40.3	40.5
Wholesale Trade	37.9	38.0	37.3	37.8	37.6	37.9	38.2	37.9	38.0	37.9	38.2	37.9	37.9
Retail Trade	28.4	28.4	28.6	28.5	28.3	28.2	28.4	28.6	28.3	28.4	28.2	28.2	29.0
General Merchandise Stores	30.5	30.7	30.8	31.0	30.9	30.5	30.0	31.2	30.2	29.5	29.3	29.1	32.3
Food Stores	27.6	27.5	27.2	27.7	27.6	27.8	28.1	28.5	27.8	27.4	27.2	26.9	27.9
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Nursing and Personal Care Facilities	29.4	29.5	29.6	29.5	29.3	29.4	29.4	29.5	29.1	29.7	29.1	29.6	29.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual: 1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-2 (1989)

Canton MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$466.91	$475.58	$463.94	$464.67	$469.56	$470.82	$476.30	$454.92	$464.21	$466.99	$456.08	$462.26	$467.87
Durable Goods[b]	491.60	508.12	490.63	492.06	495.07	497.94	503.87	476.10	486.04	488.46	481.62	485.30	493.00
Primary Metal Industries	511.31	540.62	522.77	516.43	523.49	533.61	530.82	486.49	490.26	488.04	473.06	492.46	516.12
Fabricated Metal Products	486.34	486.30	480.76	479.93	476.75	466.49	470.05	475.21	476.39	507.73	546.92	487.97	488.38
Electronic and Other Electric Equipment	528.74	521.37	511.24	495.74	501.80	514.04	571.33	533.58	537.51	549.38	542.02	533.05	534.93
Nondurable Goods[c]	390.04	376.74	379.46	381.22	391.43	388.05	394.74	388.78	396.14	402.56	394.52	394.18	390.43
Food and Kindred Products	390.47	344.52	369.41	371.51	391.04	414.72	397.74	400.37	387.70	404.16	397.76	398.98	409.11
Rubber and Miscellaneous Plastics Products	398.82	402.82	406.69	402.11	403.50	396.76	404.21	385.52	397.99	403.24	389.76	398.13	393.72
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	577.74	575.28	554.61	551.43	573.87	568.40	584.03	585.48	589.37	603.83	588.47	580.32	581.58
Wholesale Trade	378.24	387.98	380.83	384.80	379.38	377.48	381.24	378.62	375.06	373.32	377.42	370.66	371.42
Retail Trade[d]	166.14	161.88	162.73	163.02	164.71	163.56	165.00	166.45	165.27	169.26	167.51	169.48	174.87
General Merchandise Stores	192.15	192.18	194.66	194.06	191.58	191.24	187.50	194.69	188.75	186.15	185.18	185.95	209.95
Food Stores	157.87	154.00	152.05	156.78	158.42	159.57	160.45	160.46	159.02	157.82	158.85	155.75	162.66
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	173.17	170.81	168.13	169.92	168.48	169.64	177.28	177.30	170.24	175.82	173.73	178.49	180.25

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-2 (1989)

Canton MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	160.1	155.0	154.7	155.7	158.6	160.2	161.4	161.3	160.8	162.6	163.5	163.9	163.8
Goods-Producing Industries[b]	52.5	50.0	49.9	50.3	51.3	52.1	52.8	54.0	53.9	54.3	53.9	54.0	53.5
Construction	6.3	4.8	4.7	4.9	6.0	6.4	6.7	7.2	7.1	7.2	7.0	7.0	6.5
Manufacturing	45.3	44.3	44.3	44.4	44.4	44.8	45.3	45.9	45.9	46.2	46.0	46.3	46.3
Durable Goods[c]	33.6	32.8	32.9	33.1	32.9	33.3	33.6	33.9	33.8	34.3	34.2	34.4	34.4
Primary Metal Industries	11.4	11.0	10.9	11.0	10.9	11.2	11.4	11.5	11.4	11.8	11.8	11.8	11.7
Fabricated Metal Products	6.6	6.6	6.7	6.7	6.6	6.6	6.6	6.7	6.7	6.7	6.6	6.6	6.6
Electronic and Other Electric Equipment	4.4	4.5	4.6	4.5	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.4	4.6
Nondurable Goods[d]	11.7	11.5	11.4	11.4	11.5	11.6	11.6	12.0	12.1	11.9	11.9	11.9	11.8
Food and Kindred Products	3.2	3.3	3.2	3.1	3.1	3.1	3.4	3.3	3.4	3.2	3.2	3.2	3.2
Rubber and Miscellaneous Plastics Products	3.0	2.9	2.9	2.9	3.0	3.0	2.8	3.1	3.1	3.2	3.2	3.2	3.2
Service-Producing Industries	107.6	104.9	104.9	105.4	107.3	108.1	108.5	107.3	106.9	108.4	109.7	109.8	110.3
Transportation and Public Utilities	5.7	5.5	5.5	5.5	5.6	5.6	5.8	5.8	5.8	5.8	5.7	5.8	5.8
Communications, Electric, Gas Services	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7
Wholesale Trade	8.2	7.9	7.9	8.0	8.1	8.1	8.3	8.3	8.4	8.4	8.5	8.5	8.5
Retail Trade	31.9	30.9	30.4	30.5	31.7	32.3	32.5	32.1	32.3	32.2	32.3	32.4	32.8
General Merchandise Stores	3.9	4.1	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.9	4.0	4.0	4.1
Food Stores	5.4	5.3	5.2	5.2	5.4	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6
Finance, Insurance, and Real Estate	6.5	6.3	6.3	6.3	6.4	6.4	6.5	6.7	6.6	6.6	6.7	6.8	6.8
Finance	3.6	3.5	3.5	3.5	3.5	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.9
Services	36.5	35.5	35.7	36.0	36.5	36.5	36.8	36.4	36.3	36.7	37.3	37.2	37.2
Health Services	15.1	15.0	15.0	15.1	15.1	14.8	15.1	15.3	15.2	15.3	15.2	15.2	15.2
Nursing and Personal Care Facilities	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.9	3.8	3.8	3.8
Hospitals	7.2	7.2	7.2	7.3	7.2	6.9	7.2	7.3	7.2	7.2	7.1	7.1	7.1
Government	18.8	18.9	19.1	19.1	19.1	19.2	18.7	18.0	17.5	18.7	19.1	19.3	19.2
Federal Government	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.5	1.5
State Government (Includes Education)	1.7	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local Government	15.7	15.7	15.9	16.0	15.9	16.0	15.5	14.8	14.4	15.5	15.9	16.1	16.1
Local Government Education	9.4	9.6	9.8	9.8	9.7	9.8	9.0	8.5	8.1	9.2	9.7	9.9	9.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [r]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-2 (1988)

Canton MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$10.85	$10.87	$10.88	$10.80	$10.86	$10.83	$10.79	$10.70	$10.72	$10.88	$10.95	$10.88	$11.04
Durable Goods[b]	11.16	11.09	11.13	11.06	11.15	11.12	11.10	10.99	11.00	11.21	11.27	11.27	11.43
Primary Metal Industries	11.17	11.18	11.13	11.18	11.28	11.17	11.18	11.15	11.04	11.14	11.18	11.08	11.28
Fabricated Metal Products	11.02	10.55	10.66	10.68	10.63	10.81	10.88	10.91	10.84	11.23	11.43	11.58	11.87
Electronic and Other Electric Equipment	12.85	13.23	13.25	12.78	12.83	12.93	12.89	12.55	12.57	12.53	12.67	12.86	12.87
Nondurable Goods[c]	9.92	10.22	10.11	10.05	10.00	9.99	9.87	9.83	9.91	9.84	9.93	9.66	9.71
Food and Kindred Products	10.11	10.29	10.10	10.52	10.31	10.40	10.20	9.99	10.20	10.03	9.94	9.80	9.56
Rubber and Miscellaneous Plastics Products	10.05	10.45	10.47	10.32	10.23	10.10	10.04	9.93	10.00	9.95	9.83	9.66	9.67
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	13.75	13.63	13.45	13.41	13.80	13.46	13.57	13.66	13.95	14.18	13.90	13.93	13.91
Wholesale Trade	10.08	9.86	9.90	9.79	10.07	10.10	10.17	10.21	10.04	10.06	10.24	10.33	10.16
Retail Trade[d]	5.55	5.44	5.55	5.57	5.58	5.49	5.50	5.58	5.52	5.56	5.55	5.59	5.62
General Merchandise Stores	6.34	6.11	6.47	6.40	6.46	6.50	6.35	6.40	6.33	6.26	6.40	6.31	6.21
Food Stores	5.75	5.81	5.87	5.86	5.84	5.83	5.66	5.74	5.74	5.76	5.69	5.61	5.60

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [l]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-2 (1988)

Canton MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.6	42.9	42.8	42.7	42.9	42.9	42.5	42.0	41.8	42.3	42.6	42.6	42.7
Durable Goods[b]	43.2	43.9	43.4	43.0	43.3	43.3	43.1	42.5	42.2	43.0	43.4	43.4	43.7
Primary Metal Industries	45.7	46.8	46.0	46.5	46.8	46.8	46.2	45.5	44.7	44.8	45.1	44.8	45.1
Fabricated Metal Products	40.3	39.2	39.5	39.7	39.5	40.1	40.5	39.2	38.8	40.5	42.5	40.9	42.9
Electronic and Other Electric Equipment	41.4	43.9	43.7	38.7	41.2	40.5	42.2	40.7	40.0	40.8	40.3	42.9	41.9
Nondurable Goods[c]	40.4	39.9	40.6	41.7	41.2	41.6	40.4	40.2	40.3	39.9	40.0	39.9	39.4
Food and Kindred Products	37.4	38.4	37.1	38.6	37.1	39.2	36.9	36.7	37.1	36.5	36.8	37.0	38.0
Rubber and Miscellaneous Plastics Products	41.2	41.0	41.7	41.5	42.1	41.9	41.0	41.0	41.0	40.9	41.1	41.3	40.3
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.8	41.4	40.1	40.2	42.3	40.3	40.2	40.8	41.2	41.4	40.9	40.7	40.4
Wholesale Trade	37.7	38.1	37.9	38.3	37.9	37.7	37.6	37.6	37.1	36.8	37.7	37.4	38.1
Retail Trade	28.9	28.2	28.0	28.3	28.4	28.9	29.3	29.7	29.2	28.9	28.8	29.0	29.4
General Merchandise Stores	29.7	28.0	27.4	27.9	29.1	29.3	29.4	30.7	29.8	30.0	29.7	30.2	34.0
Food Stores	29.4	29.0	29.6	29.5	29.4	30.0	30.5	30.4	29.5	28.7	28.5	29.3	28.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-2 (1988)

Canton MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$462.21	$466.32	$465.66	$461.16	$465.89	$464.61	$458.58	$449.40	$448.10	$460.22	$466.47	$463.49	$471.41
Durable Goods[b]	482.11	486.85	483.04	475.58	482.80	481.50	478.41	467.08	464.20	482.03	489.12	489.12	499.49
Primary Metal Industries	510.47	523.22	511.98	519.87	527.90	522.76	516.52	507.33	493.49	499.07	504.22	496.36	508.73
Fabricated Metal Products	444.11	413.56	421.07	424.00	419.89	433.48	440.64	427.67	420.59	454.82	485.78	473.62	509.22
Electronic and Other Electric Equipment	531.99	580.80	579.03	494.59	528.60	523.67	543.96	510.79	502.80	511.22	510.60	551.69	539.25
Nondurable Goods[c]	400.77	407.78	410.47	419.09	412.00	415.58	398.75	395.17	399.37	392.62	397.20	385.43	382.57
Food and Kindred Products	378.11	395.14	374.71	406.07	382.50	407.68	376.38	366.63	378.42	366.10	365.79	362.60	363.28
Rubber and Miscellaneous Plastics Products	414.06	428.45	436.60	428.28	430.68	423.19	411.64	407.13	410.00	406.96	404.01	398.96	389.70
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	561.00	564.28	539.35	539.08	583.74	542.44	545.51	557.33	574.74	587.05	568.51	566.95	561.96
Wholesale Trade	380.02	375.67	375.21	374.96	381.65	380.77	382.39	383.90	372.48	370.21	386.05	386.34	387.10
Retail Trade[d]	160.40	153.41	155.40	157.63	158.47	158.66	161.15	165.73	161.18	160.68	159.84	162.11	165.23
General Merchandise Stores	188.30	171.08	177.28	178.56	187.99	190.45	186.69	196.48	188.63	187.80	190.08	190.56	211.14
Food Stores	169.05	168.49	173.75	172.87	171.70	174.90	172.63	174.50	169.33	165.31	162.17	164.37	161.28

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual: 1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment, instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [r]Depressed due to labor-management disputes during part of pay period. [s]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-2 (1988)

Canton MSA

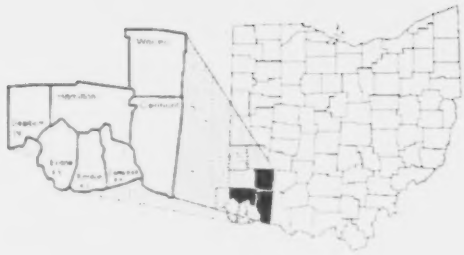
Nonagricultural Wage and Salary Employment, 1979-1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	160.8	157.1	156.6	148.6	143.4	149.1	151.5	151.9	156.4
Goods-Producing Industries[b]	66.6	62.3	61.2	53.5	49.0	52.6	52.7	50.0	50.9
Construction	6.4	5.4	5.1	4.6	4.3	4.9	5.3	5.3	6.0
Manufacturing	59.1	55.7	54.8	47.6	43.5	46.4	46.2	43.7	44.0
Durable Goods[c]	46.4	43.6	43.0	36.8	33.0	35.0	34.7	32.0	32.3
Primary Metal Industries	15.6	14.3	14.3	11.1	10.2	11.4	11.0	9.9	10.7
Fabricated Metal Products	10.2	10.0	10.0	8.7	7.6	7.3	7.4	7.0	6.6
Electronic and Other Electric Equipment	.....	.....	.....	.....	4.1	4.4	4.5	4.5	4.4
Nondurable Goods[d]	12.7	12.1	11.8	10.8	10.6	11.3	11.6	11.6	11.7
Food and Kindred Products	4.4	4.4	4.2	4.0	3.7	3.9	4.0	3.9	3.6
Rubber and Miscellaneous Plastics Products	3.5	3.0	2.9	2.4	2.5	2.8	2.9	2.9	2.9
Service-Producing Industries	94.2	94.9	95.4	95.1	94.4	96.5	98.8	101.9	105.5
Transportation and Public Utilities	7.6	7.2	6.9	6.5	5.9	6.2	5.9	5.7	5.7
Communications, Electric, Gas Services	3.0	3.0	3.0	3.1	2.8	2.9	2.8	2.7	2.6
Wholesale Trade	7.2	7.3	7.6	7.6	7.3	7.7	7.9	8.0	8.1
Retail Trade	27.1	26.0	25.9	25.9	26.1	27.4	28.8	30.1	31.2
General Merchandise Stores	.....	.....	.....	.....	3.5	3.8	3.7	3.8	3.9
Food Stores	.....	.....	.....	.....	4.4	4.5	5.0	5.0	5.2
Finance, Insurance, and Real Estate	5.9	6.2	6.3	6.3	6.4	6.1	6.1	6.4	6.5
Services	28.1	29.0	30.0	30.5	30.7	31.4	32.4	33.4	35.6
Health Services	.....	.....	.....	.....	13.4	13.7	13.8	14.3	14.9
Hospitals	.....	.....	.....	.....	7.5	7.3	7.0	7.0	7.2
Government	18.3	19.2	18.7	18.3	18.0	17.6	17.6	18.1	18.5
Federal Government	1.3	1.4	1.2	1.2	1.2	1.2	1.3	1.4	1.4
State Government (Includes Education)	.....	.....	.....	.....	1.7	1.6	1.6	1.7	1.7
Local Government	15.1	15.8	15.5	15.3	15.2	14.8	14.7	15.0	15.3
Local Government Education	.....	.....	.....	.....	9.0	8.6	8.5	9.0	9.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [1]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-2 (1979-1987)

Cincinnati Primary Metropolitan Statistical Area



In the Cincinnati metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 19,000 from 1988 to 780,300 in 1989. Total employment gained 23,200 over the year, while unemployment registered a decrease of 4,100. The unemployment rate dropped from 5.1 percent in 1988 to 4.5 percent in 1989. (See table below.)

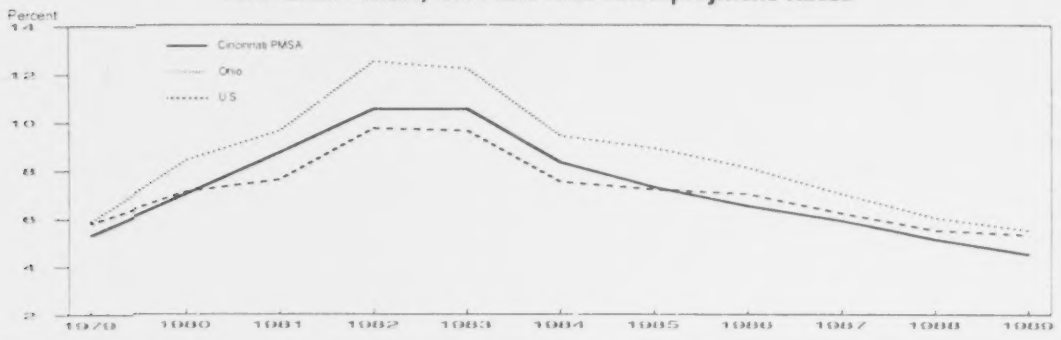
Nonagricultural wage and salary employment advanced 24,800 above the 1988 level to 726,400 in 1989, a growth rate of 3.5 percent. Employment in service-producing industries increased 21,100, up 4.0 percent. A major portion of the improvement occurred in retail trade (+7,300) and services (+6,700). Moderate expansion was also registered in wholesale trade, government, and transportation and public utilities. The number of workers in goods-producing industries rose 3,800, or 2.1 percent, to 181,500. Construction employment increased 2,700; manufacturing gained 1,000. Over-the-year growth in fabricated metal products, printing and publishing, transportation equipment, and rubber and miscellaneous plastics products outweighed significant cutbacks in industrial machinery and equipment and lowered production in electronic and other electric equipment and food and kindred products.

Cincinnati PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

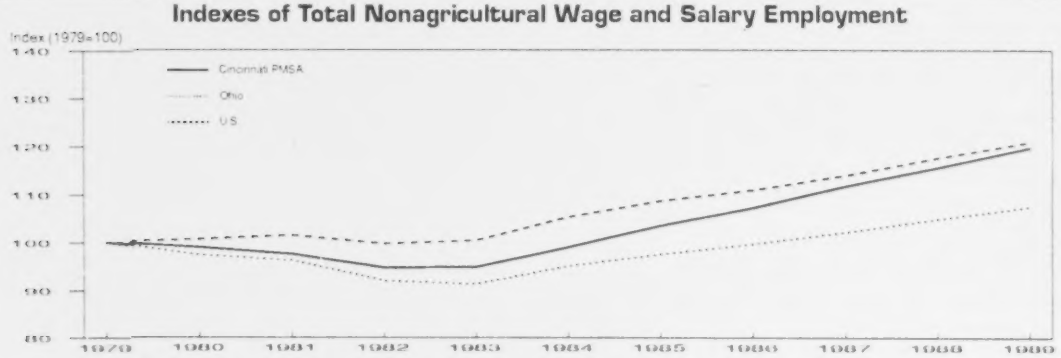
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment		Unemployment					Goods–Producing Industries	Service–Producing Industries
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
663.4	628.1	35.3	5.3	5.9	5.8	1979	607.4	200.9	406.5
676.2	628.8	47.5	7.0	8.4	7.1	1980	600.7	188.0	412.6
678.5	619.3	59.1	8.7	9.6	7.6	1981	592.2	179.8	412.4
684.3	612.4	71.9	10.5	12.5	9.7	1982	575.3	167.1	408.2
687.6	615.2	72.4	10.5	12.2	9.6	1983	575.6	161.2	414.4
695.9	638.4	57.5	8.3	9.4	7.5	1984	600.8	167.3	433.5
710.6	659.1	51.5	7.2	8.9	7.2	1985	628.1	171.0	457.1
727.8	680.7	47.2	6.5	8.1	7.0	1986	650.8	174.1	476.7
744.2	700.2	44.0	5.9	7.0	6.2	1987	677.7	175.9	501.8
761.3	722.2	39.0	5.1	6.0	5.5	1988	701.6	177.7	523.9
780.3	745.4	34.9	4.5	5.5	5.3	1989	726.4	181.5	545.0

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

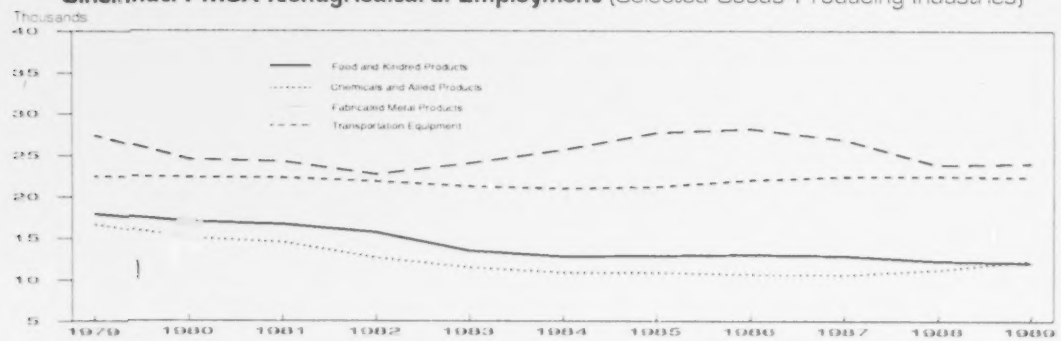
Cincinnati PMSA, Ohio and U.S. Unemployment Rates



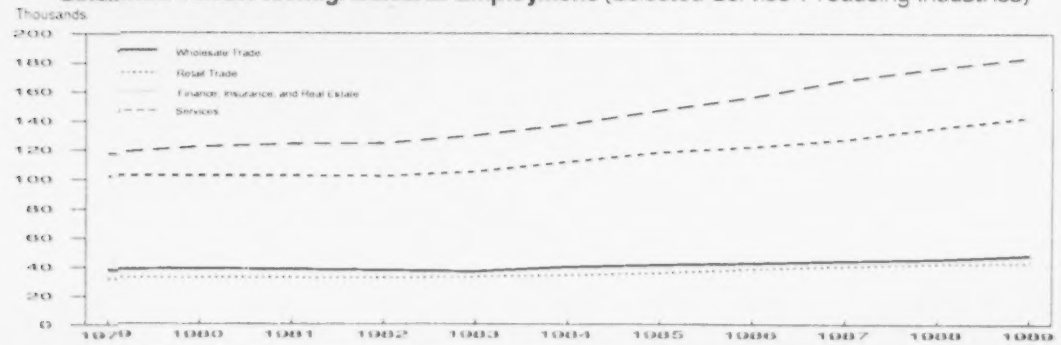
Indexes of Total Nonagricultural Wage and Salary Employment



Cincinnati PMSA Nonagricultural Employment (Selected Goods-Producing Industries)



Cincinnati PMSA Nonagricultural Employment (Selected Service-Producing Industries)



Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	726.4	701.9	704.5	713.1	717.9	722.9	729.2	727.7	730.9	738.0	739.2	743.8	748.2
Goods-Producing Industries[b]	181.5	175.7	175.0	176.8	178.3	179.4	181.9	183.1	184.8	185.8	186.0	186.0	185.0
Construction	34.3	30.7	30.4	31.7	33.0	34.3	35.2	36.3	36.5	36.4	36.8	36.0	34.9
Manufacturing	146.7	144.6	144.2	144.8	144.8	144.7	146.2	146.4	147.8	148.9	148.8	149.5	149.7
Durable Goods[c]	79.5	78.4	77.9	78.3	78.7	78.6	79.2	79.4	79.9	80.9	80.5	81.1	81.1
Fabricated Metal Products	12.3	12.2	12.1	12.1	12.3	12.3	12.3	12.4	12.2	12.5	12.4	12.5	12.4
Fabricated Structural Metal Products	4.4	4.3	4.3	4.3	4.3	4.4	4.4	4.5	4.4	4.7	4.5	4.6	4.6
Industrial Machinery and Equipment	19.4	19.3	19.2	19.3	19.4	19.2	19.3	19.5	19.3	19.5	19.4	19.5	19.6
Electronic and Other Electric Equipment	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.7	7.8	7.9	8.0	8.0	8.0
Transportation Equipment	24.0	23.8	23.4	23.4	23.6	23.6	23.9	23.8	24.3	24.5	24.4	24.7	24.8
Motor Vehicles and Equipment	4.9	4.9	5.0	5.0	4.9	4.9	5.0	4.6	5.0	5.0	4.8	5.0	5.0
Instruments and Related Products	3.5	3.5	3.5	3.4	3.4	3.5	3.4	3.5	3.5	3.6	3.7	3.8	3.7
Nondurable Goods[d]	67.2	66.3	66.3	66.5	66.1	66.1	67.1	67.0	68.0	68.0	68.3	68.5	68.6
Food and Kindred Products	12.1	11.9	11.7	11.8	11.8	11.7	11.9	12.0	12.2	12.2	12.4	12.5	12.6
Beverages	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9
Apparel and Other Textile Products	3.6	3.4	3.5	3.5	3.6	3.6	3.6	3.5	3.6	3.6	3.8	3.7	3.7
Paper and Allied Products	5.9	5.8	5.7	5.8	5.8	5.8	5.9	5.9	5.9	5.8	6.0	6.0	6.0
Printing and Publishing	14.2	13.7	14.0	14.0	13.9	13.9	14.1	14.2	14.3	14.3	14.4	14.5	14.5
Commercial Printing	6.2	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.3	6.4
Chemicals and Allied Products	22.4	22.5	22.5	22.5	22.1	22.1	22.4	22.5	22.3	22.3	22.3	22.3	22.4
Rubber and Miscellaneous Plastics Products	6.7	6.6	6.5	6.5	6.4	6.5	6.6	6.6	6.9	7.0	6.9	6.9	6.7
Service-Producing Industries	545.0	526.2	529.5	536.3	539.6	543.5	547.4	544.6	546.1	552.2	553.1	557.8	563.1
Transportation and Public Utilities	39.3	37.7	37.9	38.3	38.7	38.9	39.3	39.5	39.7	40.2	40.5	40.5	40.5
Transportation	23.3	22.0	22.1	22.5	22.9	23.1	23.2	23.3	23.4	24.0	24.2	24.2	24.2
Trucking and Warehousing	10.5	9.8	9.9	10.0	10.4	10.4	10.5	10.6	10.7	10.9	11.0	11.1	11.1
Transportation by Air	6.1	5.8	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.3	6.2
Communications, Electric, Gas Services	16.0	15.7	15.7	15.8	15.8	15.9	16.1	16.2	16.3	16.3	16.3	16.3	16.3
Communications	9.8	9.7	9.7	9.7	9.8	9.7	9.8	9.8	9.8	9.8	9.9	9.9	9.9
Wholesale Trade	47.8	46.7	46.9	47.3	47.1	47.2	47.7	47.9	47.9	47.9	48.4	48.6	49.2
Wholesale Trade-Durable Goods	28.5	28.2	28.3	28.4	28.1	28.1	28.4	28.5	28.5	28.6	28.8	28.8	29.2
Retail Trade	142.3	136.0	135.3	137.6	138.5	140.2	142.2	142.8	143.9	144.6	145.8	148.4	151.8
General Merchandise Stores	21.2	19.9	19.8	20.4	20.4	20.6	20.9	21.0	21.1	21.3	21.8	23.1	24.4
Finance, Insurance, and Real Estate	42.6	41.7	41.9	42.2	42.5	42.7	43.2	43.4	43.2	43.0	42.7	42.6	42.7
Finance	17.3	17.0	17.1	17.2	17.2	17.2	17.3	17.5	17.4	17.3	17.3	17.3	17.3

See footnotes at end of table.

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Depository Institutions	13.5	13.3	13.4	13.4	13.4	13.5	13.6	13.7	13.6	13.6	13.6	13.5	13.6
Commercial Banks	9.4	9.2	9.3	9.3	9.3	9.4	9.5	9.5	9.5	9.4	9.4	9.4	9.4
Insurance	17.1	17.1	17.0	17.1	17.2	17.2	17.3	17.2	17.1	17.1	17.0	17.1	17.0
Insurance Carriers	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4	14.3	14.3	14.3	14.2
Life Insurance	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8
Fire, Marine, and Casualty Insurance	5.0	5.0	5.0	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.0	5.1	5.0
Services	183.1	174.2	175.8	179.1	180.9	182.5	185.7	186.8	187.0	187.4	184.9	186.2	187.2
Hotels and Other Lodging Places	7.4	6.7	6.8	7.1	7.3	7.4	7.6	7.7	7.8	7.6	7.3	7.4	7.4
Personal Services	8.3	8.4	8.5	8.6	8.7	8.1	8.1	8.1	8.2	8.2	8.3	8.4	8.4
Business Services	36.4	35.5	35.8	36.5	35.4	35.4	35.8	36.6	37.3	37.0	37.5	37.1	37.3
Services to Buildings	5.8	5.6	5.9	5.9	5.7	5.8	5.8	5.8	5.9	5.8	5.9	5.9	5.9
Computer and Data Processing Services	4.5	4.3	4.3	4.4	4.3	4.3	4.3	4.6	4.6	4.7	4.6	4.6	4.6
Amusements, Including Motion Pictures	11.8	8.6	8.1	9.0	11.5	13.0	14.5	14.9	14.5	14.1	10.3	11.5	12.1
Health Services	55.9	54.7	55.1	55.6	55.1	55.2	55.8	56.1	56.2	56.3	56.4	56.9	57.1
Nursing and Personal Care Facilities	10.9	10.5	10.6	10.8	10.6	10.7	10.9	10.9	11.0	11.0	11.0	11.0	11.1
Hospitals	26.8	26.5	26.8	27.0	26.5	26.5	26.8	26.9	26.9	26.9	26.9	27.2	27.2
Legal Services	4.3	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.3	4.3	4.4	4.5	4.5
Educational Services	6.9	6.9	7.3	7.4	7.2	7.1	6.7	6.1	5.8	6.7	7.2	7.4	7.3
Social Services	11.9	11.7	11.7	11.8	11.7	11.7	11.7	11.9	12.0	12.2	12.3	12.3	12.4
Residential Care	4.7	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.8	4.8	4.8	4.8	4.8
Engineering and Management Services	16.2	15.6	16.0	16.0	16.0	16.2	16.4	16.5	16.5	16.3	16.4	16.4	16.5
Engineering and Architectural Services	5.5	5.5	5.5	5.3	5.4	5.5	5.6	5.7	5.6	5.6	5.6	5.6	5.7
Government	89.9	89.8	91.8	91.8	92.0	91.9	89.2	84.2	84.3	89.0	90.9	91.5	91.7
Federal Government	16.1	16.0	17.1	17.1	17.0	16.1	15.8	15.6	15.6	15.7	15.6	15.6	16.0
State Government	20.5	20.4	20.8	20.9	20.9	20.8	20.4	18.8	19.7	19.9	20.9	21.2	21.1
State Government Education[e]	12.5	12.6	13.0	13.0	13.0	12.8	12.4	10.5	11.4	11.7	12.8	13.1	13.0
Local Government	53.3	53.4	53.9	53.8	54.2	55.0	53.0	49.8	49.0	53.4	54.4	54.8	54.7
Local Government Education	29.8	30.6	31.3	31.1	30.9	31.6	28.8	25.2	24.7	29.7	30.9	31.3	31.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-3 (1989)

Cincinnati PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.60	$11.48	$11.56	$11.56	$11.57	$11.48	$11.61	$11.50	$11.68	$11.67	$11.71	$11.75	$11.64
Durable Goods[b]	11.46	11.46	11.49	11.47	11.54	11.30	11.50	11.22	11.46	11.50	11.50	11.69	11.38
Fabricated Metal Products	9.92	10.25	10.19	9.93	9.92	9.67	9.83	9.83	9.96	9.93	9.89	9.87	9.80
Fabricated Structural Metal Products	10.74	11.06	10.98	10.50	10.77	10.52	10.84	10.85	10.71	10.79	10.74	10.62	10.54
Industrial Machinery and Equipment	10.83	10.65	10.67	10.69	10.77	10.74	10.85	10.76	10.83	10.96	10.99	10.99	11.05
Electronic and Other Electric Equipment	9.00	8.83	8.85	8.91	8.81	8.95	8.98	8.97	9.06	9.17	9.01	9.09	9.27
Transportation Equipment	16.42	16.15	16.31	16.38	16.42	16.02	16.39	16.10	16.44	16.69	16.71	17.04	16.33
Motor Vehicles and Equipment	17.77	17.46	17.48	17.61	17.68	17.36	17.81	17.20	17.80	18.22	18.00	18.30	18.21
Instruments and Related Products	8.07	7.89	7.99	8.00	7.94	8.08	8.11	8.05	8.03	8.02	8.01	8.27	8.33
Nondurable Goods[c]	11.74	11.49	11.63	11.65	11.61	11.65	11.73	11.77	11.90	11.85	11.93	11.77	11.91
Food and Kindred Products	11.71	11.68	11.36	11.70	11.71	11.72	11.92	11.79	11.86	11.81	11.70	11.61	11.63
Beverages	12.82	12.53	12.55	12.68	12.71	12.56	12.62	12.69	12.87	13.08	13.07	13.14	13.29
Apparel and Other Textile Products	6.27	5.97	5.98	6.15	6.32	6.18	6.22	6.36	6.37	6.37	6.39	6.43	6.46
Paper and Allied Products	10.76	10.52	10.61	10.70	10.70	10.82	10.80	10.83	10.77	10.84	10.91	10.86	10.78
Printing and Publishing	11.71	11.36	11.57	11.81	11.49	11.48	11.56	11.60	11.65	11.91	11.94	12.01	12.08
Commercial Printing	11.70	11.31	11.64	12.04	11.37	11.43	11.53	11.48	11.49	12.05	11.94	11.95	12.05
Chemicals and Allied Products	13.88	13.53	13.85	13.61	13.72	13.68	13.71	13.81	14.13	13.99	14.31	13.92	14.26
Rubber and Miscellaneous Plastics Products	9.51	9.35	9.53	9.48	9.03	9.76	9.69	9.50	9.57	9.72	9.42	9.50	9.55
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.35	14.13	14.00	14.05	14.28	14.29	14.23	14.27	14.39	14.71	14.66	14.58	14.58
Communications	14.54	14.28	14.22	14.27	14.29	14.41	14.31	14.40	14.64	15.09	14.91	14.78	14.84
Wholesale Trade	10.83	10.35	10.66	10.65	10.75	10.83	10.91	10.88	10.95	11.03	10.98	10.96	10.95
Retail Trade[d]	5.91	5.74	5.85	5.84	5.90	5.87	5.87	5.86	5.88	5.97	6.02	6.00	6.06
General Merchandise Stores	6.68	6.54	6.57	6.51	6.64	6.66	6.61	6.68	6.68	6.72	6.75	6.78	6.93
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	12.12	11.55	11.57	11.73	11.91	11.93	12.04	12.17	12.19	12.41	12.42	12.71	12.77
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	14.92	13.75	13.89	14.05	14.17	14.78	14.96	15.00	15.38	15.49	15.80	15.75	15.81

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-3 (1989)

Cincinnati PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.9	42.7	42.9	42.4	42.7	42.5	43.1	42.1	43.1	43.4	43.4	43.5	42.8
Durable Goods[b]	43.2	43.3	43.2	42.8	43.5	42.8	43.4	41.6	42.9	43.6	43.7	44.3	42.9
Fabricated Metal Products	42.3	43.3	41.9	41.3	42.1	41.6	42.0	41.5	41.8	42.8	43.0	43.2	43.2
Fabricated Structural Metal Products	43.4	45.3	41.8	41.0	42.7	41.5	42.7	43.4	41.7	45.0	45.1	45.3	44.9
Industrial Machinery and Equipment	42.7	42.6	42.7	42.3	42.6	42.9	43.1	41.8	42.0	42.6	42.6	43.4	43.6
Electronic and Other Electric Equipment	40.6	40.6	39.6	40.0	40.0	40.3	40.6	40.4	40.6	42.3	41.4	40.7	41.0
Transportation Equipment	47.1	47.7	48.2	48.2	49.4	46.2	47.9	43.6	47.0	47.0	47.1	49.4	43.4
Motor Vehicles and Equipment	49.4	49.4	50.6	50.4	50.8	49.3	51.5	40.7	50.8	50.2	48.2	51.2	48.6
Instruments and Related Products	43.9	41.4	42.0	42.0	42.5	44.1	43.4	43.9	44.3	45.4	45.1	46.2	45.7
Nondurable Goods[c]	42.6	42.1	42.6	42.0	42.0	42.3	42.9	42.7	43.3	43.2	43.1	42.7	42.7
Food and Kindred Products	43.3	41.3	41.3	42.7	42.8	42.9	44.6	43.5	44.2	44.7	44.2	43.9	42.5
Beverages	41.4	40.0	39.8	40.3	40.3	40.7	41.2	41.6	42.4	42.6	42.3	42.6	43.4
Apparel and Other Textile Products	38.2	38.4	39.3	37.7	38.3	37.7	37.3	37.0	37.5	38.8	39.2	38.7	38.8
Paper and Allied Products	43.0	42.1	42.6	43.8	43.1	43.5	43.7	43.5	42.7	43.0	42.6	43.4	42.1
Printing and Publishing	40.6	39.2	40.1	40.5	39.6	39.4	39.8	40.5	40.4	41.7	41.5	42.0	42.1
Commercial Printing	43.0	41.9	43.4	43.3	41.6	41.1	42.3	42.5	42.3	45.4	44.5	43.6	44.2
Chemicals and Allied Products	43.7	43.6	44.4	42.2	43.2	42.8	43.3	43.5	45.7	43.6	44.3	42.9	44.5
Rubber and Miscellaneous Plastics Products	43.9	46.3	45.5	44.7	41.5	45.6	45.6	43.2	42.8	44.6	42.9	43.0	42.0
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.8	41.3	40.5	40.9	41.2	40.7	40.9	41.3	41.4	40.9	40.5	40.0	39.6
Communications	40.1	40.4	39.9	40.1	40.2	40.2	40.3	40.8	41.2	40.6	39.8	38.9	38.5
Wholesale Trade	39.3	39.8	39.0	39.0	39.0	38.9	39.2	39.1	39.3	39.7	39.5	39.4	39.2
Retail Trade	28.8	28.5	28.6	28.4	28.7	28.8	29.3	29.6	29.4	28.7	28.6	28.7	28.8
General Merchandise Stores	30.3	29.7	29.8	29.3	30.0	30.3	30.5	30.5	30.6	30.1	30.1	30.2	32.0
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	32.2	32.6	32.5	31.9	31.8	31.4	31.6	31.5	32.0	32.1	32.3	32.6	33.5
Engineering and Management Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Engineering and Architectural Services	41.3	41.4	41.6	42.6	41.7	40.3	39.6	40.9	40.8	42.7	41.5	40.9	41.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-3 (1989)

Cincinnati PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$497.64	$490.20	$495.92	$490.14	$494.04	$487.90	$500.39	$484.15	$503.41	$506.48	$508.21	$511.13	$498.19
Durable Goods[b]	495.07	496.22	496.37	490.92	501.99	483.64	499.10	466.75	491.63	501.40	502.55	517.87	488.20
Fabricated Metal Products	419.62	443.83	426.96	410.11	417.63	402.27	412.86	407.95	416.33	425.00	425.27	426.38	423.36
Fabricated Structural Metal Products	466.12	501.02	458.96	430.50	459.88	436.58	462.87	470.89	446.61	485.55	484.37	481.09	473.25
Industrial Machinery and Equipment	462.44	453.69	455.61	452.19	458.80	460.75	467.64	449.77	454.86	466.90	468.17	476.97	481.78
Electronic and Other Electric Equipment	365.40	358.50	350.46	356.40	352.40	360.69	364.59	362.39	367.84	387.89	373.01	369.96	380.07
Transportation Equipment	773.38	770.36	786.14	789.52	811.15	740.12	785.08	701.96	772.68	784.43	787.04	841.78	708.72
Motor Vehicles and Equipment	877.84	862.52	884.49	887.54	898.14	855.85	917.22	700.04	904.24	914.64	867.60	936.96	885.01
Instruments and Related Products	354.27	326.65	335.58	336.00	337.45	356.33	351.97	353.40	355.73	364.11	361.25	382.07	380.68
Nondurable Goods[c]	500.12	483.73	495.44	489.30	487.62	492.80	503.22	502.58	515.27	511.92	514.18	502.58	508.56
Food and Kindred Products	507.04	482.38	469.17	499.59	501.19	502.79	531.63	512.87	524.21	527.91	517.14	509.68	494.28
Beverages	530.75	501.20	499.49	511.00	512.21	511.19	519.94	527.90	545.69	557.21	552.86	559.76	576.79
Apparel and Other Textile Products	239.51	229.25	235.01	231.86	242.06	232.99	232.01	235.32	238.88	247.16	250.49	248.84	250.65
Paper and Allied Products	462.68	442.89	451.99	468.66	461.17	470.67	471.96	471.11	459.88	466.12	464.77	471.32	453.84
Printing and Publishing	475.43	445.31	463.96	478.31	455.00	452.31	460.09	469.80	470.66	496.65	495.51	504.42	508.57
Commercial Printing	503.10	473.89	505.18	521.33	472.99	469.77	487.72	487.90	486.03	547.07	531.33	521.02	532.61
Chemicals and Allied Products	606.56	589.91	614.94	574.34	592.70	585.50	593.64	600.74	645.74	609.96	633.93	597.17	634.57
Rubber and Miscellaneous Plastics Products	417.49	432.91	433.62	423.76	374.75	445.06	441.86	410.40	409.60	433.51	404.12	408.50	401.10
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	585.48	583.57	567.00	574.65	588.34	581.60	582.01	589.35	595.75	601.64	593.73	583.20	577.37
Communications	583.05	576.91	567.38	572.23	574.46	579.28	576.69	587.52	603.17	612.65	593.42	574.94	571.34
Wholesale Trade	425.62	411.93	415.74	415.35	419.25	421.29	427.67	425.41	430.34	437.89	433.71	431.82	429.24
Retail Trade[d]	170.21	163.59	167.31	165.86	169.33	169.06	171.99	173.46	172.87	171.34	172.17	172.20	174.53
General Merchandise Stores	202.40	194.24	195.79	190.74	199.20	201.80	201.61	203.74	204.41	202.27	203.18	204.76	221.76
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	283.23	265.16	270.12	274.98	278.79	280.18	281.25	285.25	284.28	286.85	292.72	299.77	299.54
Commercial Banks	262.05	262.08	259.58	258.17	259.96	260.78	258.16	263.78	259.49	259.86	262.64	271.97	269.08
Insurance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Insurance Carriers	400.75	393.48	398.82	398.01	397.30	397.10	398.52	397.95	402.32	403.86	405.94	405.94	409.09
Life Insurance	412.33	407.52	409.20	415.57	412.02	407.87	409.10	409.33	412.42	413.32	416.16	416.60	417.21
Fire, Marine, and Casualty Insurance	405.80	387.79	390.47	388.99	393.58	400.56	408.92	409.68	415.78	412.50	423.21	418.88	421.88
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	390.26	376.53	376.03	374.19	378.74	374.60	380.46	383.36	390.08	398.36	401.17	414.35	427.80
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	616.20	569.25	577.82	598.53	590.89	595.63	592.42	613.50	627.50	661.42	655.70	644.18	659.28

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual 1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [r]Depressed due to labor-management disputes during part of pay period. [s]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-3 (1989)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	701.6	677.2	676.6	679.5	696.6	705.8	709.4	704.9	708.3	714.3	712.7	715.0	718.9
Goods-Producing Industries[b]	177.7	172.9	171.7	166.9	176.4	177.8	179.6	180.9	181.8	182.2	180.9	180.7	180.3
Construction	31.6	26.8	26.5	28.1	30.6	31.9	32.7	33.5	34.0	34.1	34.0	33.5	32.8
Manufacturing	145.7	145.7	144.8	138.3	145.4	145.5	146.4	146.9	147.4	147.6	146.5	146.9	147.1
Durable Goods[c]	78.7	79.0	78.1	71.8	78.8	78.6	79.0	79.4	79.8	80.1	79.7	79.8	79.9
Fabricated Metal Products	11.2	11.0	10.8	10.8	10.9	10.9	11.1	11.1	11.2	11.4	11.7	11.9	12.1
Fabricated Structural Metal Products	4.2	4.3	4.0	4.0	4.2	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.4
Industrial Machinery and Equipment	20.5	20.7	20.6	20.7	20.7	20.6	20.6	20.7	20.7	20.7	20.1	19.9	19.8
Electronic and Other Electric Equipment	8.0	7.8	7.9	7.8	7.8	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.3
Transportation Equipment	23.8	25.3	24.6	18.1	24.5	24.2	24.2	24.2	24.2	24.1	24.2	24.1	23.9
Motor Vehicles and Equipment	4.9	5.2	4.9	4.9	4.9	4.9	4.7	4.7	4.8	4.8	4.9	4.9	4.9
Instruments and Related Products	3.6	3.4	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.5	3.6	3.6
Nondurable Goods[d]	67.0	66.8	66.7	66.5	66.6	66.9	67.5	67.5	67.6	67.5	66.8	67.1	67.2
Food and Kindred Products	12.3	12.4	12.2	12.4	12.2	12.2	12.3	12.4	12.5	12.4	12.1	12.2	12.1
Beverages	3.2	3.4	3.3	3.3	3.2	3.1	3.2	3.3	3.4	3.2	3.2	3.2	3.2
Apparel and Other Textile Products	3.5	3.6	3.6	3.6	3.5	3.5	3.4	3.5	3.5	3.5	3.5	3.6	3.6
Paper and Allied Products	5.9	5.9	5.9	5.9	5.9	6.0	6.0	5.9	5.9	6.0	5.9	5.9	5.9
Printing and Publishing	13.9	13.7	13.7	13.5	13.7	13.8	13.9	14.0	14.1	14.1	14.2	14.3	14.4
Commercial Printing	6.2	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.4	6.4
Chemicals and Allied Products	22.5	22.5	22.5	22.5	22.4	22.4	22.7	22.8	22.7	22.6	22.2	22.2	22.3
Rubber and Miscellaneous Plastics Products	6.5	6.4	6.5	6.4	6.5	6.6	6.5	6.4	6.4	6.5	6.5	6.5	6.5
Service-Producing Industries	523.9	504.2	504.9	512.6	520.2	528.0	529.9	524.0	526.5	532.1	531.8	534.2	538.6
Transportation and Public Utilities	37.8	36.5	36.9	37.1	37.3	37.7	38.2	38.0	38.1	38.5	38.4	38.3	38.5
Transportation	22.2	21.3	21.5	21.7	21.9	22.2	22.5	22.2	22.3	22.8	22.8	22.8	22.8
Trucking and Warehousing	10.3	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.5	10.5	10.4	10.4	10.5
Transportation by Air	5.6	5.3	5.5	5.5	5.4	5.5	5.6	5.7	5.7	5.8	5.7	5.7	5.7
Communications, Electric, Gas Services	15.5	15.3	15.3	15.4	15.3	15.5	15.7	15.8	15.7	15.7	15.6	15.5	15.6
Communications	9.7	9.7	9.7	9.7	9.5	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7
Wholesale Trade	45.0	43.5	43.7	44.0	44.6	44.9	45.5	45.5	45.2	45.3	45.6	46.1	46.2
Wholesale Trade-Durable Goods	26.5	25.6	25.8	25.9	26.1	26.2	26.5	26.6	26.6	26.8	27.1	27.4	27.5
Retail Trade	135.0	129.4	128.3	129.9	132.3	134.6	135.4	135.5	136.8	137.1	137.1	140.1	143.6
General Merchandise Stores	19.2	19.7	18.6	19.2	19.1	18.9	18.6	18.3	18.2	18.6	18.9	20.5	21.9
Finance, Insurance, and Real Estate	42.0	41.0	41.2	41.4	41.8	42.1	42.7	42.7	42.7	42.4	42.1	42.1	42.1
Finance	16.9	16.6	16.6	16.6	17.0	17.0	17.2	17.0	17.0	16.9	16.9	17.0	17.0

See footnotes at end of table

RS-790-1-3 (1988)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1988[a] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Depository Institutions	13.0	12.6	12.6	12.6	13.0	13.1	13.3	13.1	13.2	13.1	13.1	13.2	13.2
Commercial Banks	9.0	8.5	8.6	8.6	9.0	9.1	9.2	9.1	9.1	9.1	9.1	9.2	9.3
Insurance	17.1	16.9	17.0	17.1	17.0	17.1	17.2	17.2	17.3	17.3	17.2	17.2	17.1
Insurance Carriers	14.5	14.2	14.3	14.4	14.3	14.4	14.5	14.6	14.6	14.6	14.6	14.6	14.5
Life Insurance	7.0	6.8	6.8	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.1	7.1	7.1
Fire, Marine, and Casualty Insurance	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	4.9	5.0	5.0
Services	176.4	166.3	167.0	171.0	174.6	177.8	180.9	180.4	182.1	181.0	179.1	177.7	178.8
Hotels and Other Lodging Places	7.3	6.7	6.8	6.9	7.2	7.4	7.7	7.9	7.9	7.8	7.3	7.3	7.2
Personal Services	8.1	8.1	8.3	8.4	8.4	8.0	8.0	7.9	7.9	7.9	8.0	8.0	8.2
Business Services	35.5	33.3	33.2	33.8	34.2	35.1	36.2	36.5	37.3	37.0	36.4	36.1	36.6
Services to Buildings	6.0	5.6	5.8	6.0	6.2	6.2	6.4	6.1	6.3	6.2	5.8	5.8	5.9
Computer and Data Processing Services	3.9	3.7	3.7	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2
Amusements, Including Motion Pictures	11.1	7.8	7.6	9.4	10.7	12.4	13.7	13.6	14.1	12.5	11.0	9.9	10.0
Health Services	53.8	52.7	52.8	53.2	53.3	53.7	54.1	53.9	54.1	54.2	54.2	54.4	54.7
Nursing and Personal Care Facilities	10.7	10.5	10.5	10.9	10.7	10.8	10.8	10.6	10.6	10.7	10.7	10.6	10.7
Hospitals	25.7	25.4	25.4	25.4	25.5	25.7	25.9	25.8	25.9	25.9	25.8	26.0	26.1
Legal Services	4.2	4.0	4.1	4.0	4.0	4.1	4.2	4.2	4.2	4.2	4.3	4.4	4.4
Educational Services	7.0	7.2	7.4	7.6	7.4	7.2	6.7	6.0	5.9	6.8	7.2	7.2	7.3
Social Services	11.2	10.7	10.7	10.8	10.9	11.0	11.1	11.3	11.4	11.5	11.6	11.6	11.6
Residential Care	4.3	4.0	4.1	4.1	4.2	4.2	4.2	4.4	4.5	4.5	4.5	4.5	4.4
Engineering and Management Services	15.5	14.5	14.8	15.0	15.4	15.5	15.8	15.8	15.9	15.9	15.6	15.7	15.7
Engineering and Architectural Services	5.2	4.9	4.9	4.9	5.0	5.1	5.3	5.3	5.3	5.4	5.4	5.5	5.5
Government	87.7	87.6	87.7	89.2	89.6	90.9	87.2	81.9	81.6	88.0	89.6	90.0	89.5
Federal Government	15.5	15.4	15.3	15.8	16.0	15.8	15.2	15.2	15.2	15.4	15.4	15.3	15.4
State Government	19.9	19.8	20.4	20.5	20.4	20.5	19.8	18.4	18.7	19.1	20.3	20.7	20.4
State Government Education[e]	12.1	12.0	12.7	12.8	12.7	12.8	11.9	10.5	10.8	11.3	12.6	12.9	12.7
Local Government	52.4	52.4	52.1[f]	53.0	53.2	54.5	52.1	48.3	47.7	53.5	53.9	54.0	53.7
Local Government Education	29.4	30.3	30.8	30.9	30.6	31.6	28.6	24.4	23.9	30.0	30.4	30.6	30.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products, petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-3 (1988)

Cincinnati PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.23	$11.19	$11.14	$10.89	$11.10	$11.15	$11.20	$11.19	$11.32	$11.34	$11.35	$11.40	$11.42
Durable Goods[b]	11.11	11.16	11.13	10.41	10.95	10.98	11.12	10.95	11.14	11.16	11.26	11.40	11.43
Fabricated Metal Products	10.00	9.98	9.90	9.78	9.90	9.91	10.00	9.99	10.06	10.08	10.08	10.09	10.17
Fabricated Structural Metal Products	10.45	10.03	10.04	9.83	10.03	10.10	10.34	10.67	10.73	10.82	10.83	10.92	10.99
Industrial Machinery and Equipment	10.55	10.51	10.47	10.45	10.51	10.40	10.49	10.53	10.51	10.63	10.70	10.80	10.64
Electronic and Other Electric Equipment	8.51	8.54	8.41	8.41	8.40	8.28	8.23	8.42	8.47	8.44	8.73	8.77	8.91
Transportation Equipment	15.49	15.29	15.42	16.25	15.01	15.26	15.47	15.16	15.48	15.52	15.48	15.82	16.03
Motor Vehicles and Equipment	17.04	16.36	16.70	16.86	16.92	17.04	17.33	16.41	17.11	17.24	17.10	17.38	17.70
Instruments and Related Products	8.12	8.21	8.19	8.22	8.11	8.11	8.21	8.12	8.04	7.99	8.06	8.01	8.14
Nondurable Goods[c]	11.33	11.20	11.11	11.24	11.23	11.29	11.28	11.40	11.47	11.51	11.43	11.38	11.41
Food and Kindred Products	11.80	12.02	11.61	11.66	11.74	11.71	11.61	12.17	11.79	11.80	11.89	11.81	11.77
Beverages	12.46	12.56	12.46	12.41	12.48	12.32	12.52	12.55	12.49	12.45	12.45	12.42	12.45
Apparel and Other Textile Products	5.88	5.63	5.71	5.80	5.96	5.97	5.87	5.73	5.85	5.91	6.07	6.05	6.01
Paper and Allied Products	10.10	9.92	9.90	9.87	9.96	10.10	10.08	10.13	10.18	10.15	10.16	10.29	10.38
Printing and Publishing	11.51	11.43	11.57	11.80	11.51	11.48	11.35	11.41	11.54	11.62	11.53	11.34	11.52
Commercial Printing	11.54	11.60	11.79	12.01	11.40	11.39	11.37	11.38	11.60	11.57	11.46	11.21	11.60
Chemicals and Allied Products	13.19	12.98	12.85	12.99	13.03	13.17	13.19	13.22	13.41	13.45	13.32	13.37	13.24
Rubber and Miscellaneous Plastics Products	9.34	9.16	9.24	9.26	9.35	9.21	9.30	9.25	9.27	9.58	9.42	9.46	9.49
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	13.85	13.64	13.60	13.64	13.61	13.80	13.85	13.83	13.91	14.09	14.08	14.10	14.02
Communications	13.99	13.85	13.87	13.90	13.77	13.78	13.90	13.91	14.05	14.29	14.21	14.19	14.13
Wholesale Trade	10.31	10.07	10.16	10.17	10.19	10.30	10.34	10.34	10.37	10.44	10.48	10.48	10.33
Retail Trade[d]	5.67	5.72	5.67	5.61	5.66	5.65	5.60	5.61	5.64	5.71	5.72	5.76	5.75
General Merchandise Stores	6.46	6.51	6.24	6.31	6.33	6.34	6.37	6.46	6.47	6.61	6.60	6.58	6.64
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	11.27	11.06	11.24	11.21	11.24	11.19	11.18	11.21	11.20	11.31	11.37	11.49	11.51

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-3 (1988)

Cincinnati PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.4	43.1	42.0	41.9	41.9	42.0	41.9	41.5	42.3	42.9	42.9	43.0	43.4
Durable Goods[b]	42.7	43.1	42.7	41.7	42.1	42.3	42.6	41.4	42.6	43.1	43.3	43.7	43.9
Fabricated Metal Products	42.2	42.8	41.6	40.3	41.7	41.8	41.4	41.6	41.8	42.7	42.8	44.0	43.8
Fabricated Structural Metal Products	42.3	41.2	40.0	37.9	41.2	41.8	41.9	43.4	43.6	44.0	44.1	43.9	44.8
Industrial Machinery and Equipment	42.9	42.9	42.5	42.3	42.7	43.1	43.0	42.7	42.8	43.4	43.2	43.2	42.9
Electronic and Other Electric Equipment	39.4	40.7	39.2	39.2	38.6	38.5	38.8	38.3	39.1	38.7	39.9	40.5	41.7
Transportation Equipment	46.0	46.9	47.4	46.6	44.9	45.4	46.6	41.9	45.3	46.1	46.2	47.2	47.5
Motor Vehicles and Equipment	48.6	46.4	47.9	47.9	49.3	50.0	51.7	38.2	49.4	50.1	49.9	50.6	51.2
Instruments and Related Products	41.0	40.3	39.4	39.7	39.3	39.5	40.2	41.8	41.8	41.8	41.9	44.3	42.1
Nondurable Goods[c]	42.3	43.1	41.5	42.3	42.0	41.9	41.5	41.7	42.3	43.0	42.7	42.6	43.1
Food and Kindred Products	43.1	46.1	42.3	42.0	41.5	41.7	41.6	43.9	43.4	43.8	44.1	43.6	42.8
Beverages	41.4	42.4	42.5	41.9	41.6	41.0	41.5	41.9	41.8	40.9	40.5	40.3	41.2
Apparel and Other Textile Products	38.1	36.8	36.7	39.9	38.5	38.2	37.0	36.5	36.9	38.4	39.1	39.9	39.5
Paper and Allied Products	42.5	42.4	41.4	41.7	42.4	42.3	41.7	41.5	43.0	43.9	43.5	43.2	43.3
Printing and Publishing	40.2	41.4	41.0	41.3	39.7	39.5	39.3	40.0	40.1	41.1	39.1	38.9	41.1
Commercial Printing	43.5	43.6	44.5	45.0	42.8	42.5	41.8	43.3	44.0	45.6	42.5	41.4	44.6
Chemicals and Allied Products	42.6	43.2	41.3	42.6	42.0	42.6	42.2	41.9	43.2	43.0	43.0	43.2	43.6
Rubber and Miscellaneous Plastics Products	44.6	44.2	42.4	43.6	46.5	44.2	43.2	41.7	43.0	45.4	47.1	46.5	46.8
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.6	40.0	39.7	40.1	40.1	40.3	40.7	41.1	41.4	40.8	40.9	40.8	40.8
Communications	40.2	39.3	39.4	39.9	39.7	39.8	40.4	40.6	41.4	40.5	40.5	40.2	40.2
Wholesale Trade	38.9	39.0	38.4	38.9	38.4	38.7	38.6	38.6	38.9	39.2	39.5	39.4	39.6
Retail Trade	29.4	28.7	28.6	29.2	29.3	29.1	29.8	29.9	29.8	29.4	29.2	29.0	29.7
General Merchandise Stores	29.9	29.0	28.6	29.8	29.8	30.1	30.2	30.3	30.2	30.0	29.8	29.7	31.2
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	32.7	32.7	32.6	32.7	32.5	32.6	33.0	33.0	32.7	32.6	32.6	32.7	32.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Depressed due to labor-management disputes during part of pay period. [e]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-3 (1988)

Cincinnati PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$476.15	$482.29	$467.88	$456.29	$465.09	$468.30	$469.28	$464.39	$478.84	$486.49	$486.92	$490.20	$495.63
Durable Goods[b]	474.40	481.00	475.25	434.10	461.00	464.45	473.71	453.33	474.56	481.00	487.56	498.18	501.78
Fabricated Metal Products	422.00	427.14	411.84	394.13	412.83	414.24	414.00	415.58	420.51	430.42	431.42	443.96	445.45
Fabricated Structural Metal Products	442.04	413.24	401.60	372.56	413.24	422.18	433.25	463.08	467.83	476.08	477.60	479.39	492.35
Industrial Machinery and Equipment	452.60	450.88	444.98	442.04	448.78	448.24	451.07	449.63	449.83	461.34	462.24	466.56	456.46
Electronic and Other Electric Equipment	335.29	347.58	329.67	329.67	324.24	318.78	319.32	322.49	331.18	326.63	348.33	355.19	371.55
Transportation Equipment	712.54	717.10	730.91	757.25	673.95	692.80	720.90	635.20	701.24	715.47	715.18	746.70	761.43
Motor Vehicles and Equipment	828.14	759.10	799.93	807.59	834.16	852.00	895.96	626.86	845.23	863.72	853.29	879.43	906.24
Instruments and Related Products	332.92	330.86	322.69	326.33	318.72	320.35	330.04	339.42	336.07	333.98	337.71	354.84	342.69
Nondurable Goods[c]	479.26	482.72	461.07	475.45	471.66	473.05	468.12	475.38	485.18	494.93	488.06	484.79	491.77
Food and Kindred Products	508.58	554.12	491.10	489.72	487.21	488.31	482.98	534.26	511.69	516.84	524.35	514.92	503.76
Beverages	515.84	532.54	529.55	519.98	519.17	505.12	519.58	525.85	522.08	509.21	504.23	500.53	512.94
Apparel and Other Textile Products	224.03	207.18	209.56	231.42	229.46	228.05	217.19	209.15	215.87	226.94	237.34	241.40	237.40
Paper and Allied Products	429.25	420.61	409.86	411.58	422.30	427.23	420.34	420.40	437.74	445.59	441.96	444.53	449.45
Printing and Publishing	462.70	473.20	474.37	487.34	456.95	453.46	446.06	456.40	462.75	477.58	450.82	441.13	473.47
Commercial Printing	501.99	505.76	524.66	540.45	487.92	484.08	475.27	492.75	510.40	527.59	487.05	464.09	517.36
Chemicals and Allied Products	561.89	560.74	530.71	553.37	547.26	561.04	556.62	553.92	579.31	578.35	572.76	577.58	577.26
Rubber and Miscellaneous Plastics Products	416.56	404.87	391.78	403.74	434.78	407.08	401.76	385.73	398.61	434.93	443.68	439.89	444.13
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	562.31	545.60	539.92	546.96	545.76	556.14	563.70	568.41	575.87	574.87	575.87[g]	575.28	572.02
Communications	562.40	544.31	546.48	554.61	546.67	548.44	561.56	564.75	581.67	578.75	575.51	570.44	568.03
Wholesale Trade	401.06	392.73	390.14	395.61	391.30	398.61	399.12	399.12	403.39	409.25	413.96	412.91	409.07
Retail Trade[d]	166.70	164.16	162.16	163.81	165.84	164.42	166.88	167.74	168.07	167.87	167.02	167.04	170.78
General Merchandise Stores	193.15	188.79	178.46	188.04	188.63	190.83	192.37	195.74	195.39	198.30	196.68	195.43	207.17
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	267.48	261.66	266.00	266.80	266.92	263.29	267.29	272.31	269.07	268.55	269.52	268.66	269.33
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	368.53	361.66	366.42	366.57	365.30	364.79	368.94	369.93	366.24	368.71	370.66	375.72	374.08

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-3 (1988)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1979–1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	607.4	600.7	592.2	575.3	575.6	600.8	628.1	650.8	677.7
Goods-Producing Industries[b]	200.9	188.0	179.8	167.1	161.2	167.3	171.0	174.1	175.9
Construction	27.4	25.3	22.2	20.4	20.4	21.9	23.5	26.1	29.5
Manufacturing	173.1	162.4	157.3	146.3	140.4	145.0	147.1	147.7	146.0
Durable Goods[c]	98.9	90.7	87.8	80.1	76.9	81.0	82.7	81.8	79.4
Fabricated Metal Products	16.7	15.1	14.5	12.7	11.5	10.9	10.9	10.6	10.6
Fabricated Structural Metal Products	5.4	5.2	4.8	4.3	3.8	3.9	4.0	4.0	4.2
Industrial Machinery and Equipment	26.9	26.4	25.3	22.7	19.5	21.5	21.7	21.4	20.7
Electronic and Other Electric Equipment	8.7	8.0	8.1	7.4	7.5	7.8	7.3	7.1	7.2
Transportation Equipment	27.4	24.5	24.2	22.7	24.0	25.6	27.6	28.1	26.8
Motor Vehicles and Equipment	12.7	8.3	8.3	8.1	9.2	10.1	10.0	8.6	6.2
Instruments and Related Products	.....	.....	.....	.....	2.8	2.8	3.0	3.2	3.4
Nondurable Goods[d]	74.3	71.7	69.5	66.3	63.5	64.0	64.5	65.8	66.7
Food and Kindred Products	17.9	17.0	16.6	15.7	13.5	12.8	12.9	13.0	12.9
Beverages	5.2	5.0	4.9	4.4	4.2	4.1	4.1	3.9	3.7
Apparel and Other Textile Products	4.1	3.8	3.8	3.8	3.8	3.9	3.6	3.4	3.5
Paper and Allied Products	6.3	6.2	6.1	5.6	5.9	5.8	6.0	5.9	6.0
Printing and Publishing	13.0	12.6	11.9	11.6	11.6	12.2	12.5	13.1	13.4
Commercial Printing	.....	.....	.....	.....	4.7	5.1	5.3	5.5	5.8
Chemicals and Allied Products	22.5	22.3	22.3	21.9	21.2	20.9	21.2	22.0	22.4
Rubber and Miscellaneous Plastics Products	5.3	4.9	4.6	4.3	4.6	5.3	5.6	5.9	6.1
Service-Producing Industries	406.5	412.6	412.4	408.2	414.4	433.5	457.1	476.7	501.8
Transportation and Public Utilities	34.2	33.7	33.3	32.4	31.4	32.5	33.8	33.5	35.7
Transportation	21.0	19.6	18.9	17.7	16.7	17.8	19.0	18.8	20.7
Trucking and Warehousing	.....	.....	.....	.....	8.9	9.3	9.7	9.4	10.0
Communications, Electric, Gas Services	13.2	14.1	14.4	14.7	14.7	14.6	14.8	14.7	15.1
Communications	.....	.....	.....	.....	8.9	9.1	9.4	9.4	9.6
Wholesale Trade	37.9	38.6	38.2	37.3	36.6	39.4	41.2	42.5	43.8
Wholesale Trade-Durable Goods	.....	.....	.....	.....	21.2	23.3	24.6	25.4	25.8
Retail Trade	102.1	102.1	102.1	101.5	104.6	111.3	118.2	121.9	127.0
General Merchandise Stores	19.5	19.7	19.4	19.4	19.2	19.3	18.9	18.4	18.5
Finance, Insurance, and Real Estate	32.1	32.6	32.6	32.3	32.8	33.9	35.7	38.2	40.4
Insurance	.....	.....	.....	.....	.....	.....	.....	.....	.....
Insurance Carriers	11.0	11.1	11.4	11.3	11.1	10.9	11.5	12.7	13.9

See footnotes at end of table.

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1979-1987[a] (continued)

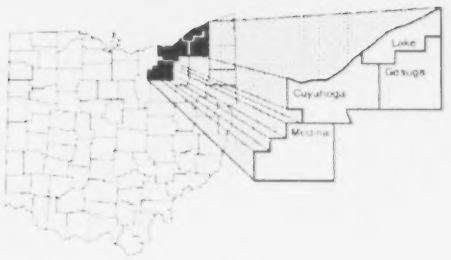
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Services	117.4	121.7	123.9	124.3	129.7	137.1	147.1	155.9	168.0
Hotels and Other Lodging Places	.....	.....	.....	.....	5.5	6.0	6.0	6.1	6.7
Personal Services	.....	.....	.....	.....	6.0	6.4	7.0	7.3	7.8
Health Services	.....	.....	.....	.....	44.2	45.2	46.7	48.9	52.2
Hospitals	.....	.....	.....	.....	23.6	22.7	23.0	23.5	25.0
Educational Services	.....	.....	.....	.....	7.0	6.8	7.5	7.3	7.1
Social Services	.....	.....	.....	.....	7.7	8.7	9.2	9.6	10.4
Government	82.8	83.9	82.4	80.5	79.2	79.3	81.2	84.7	86.8
Federal Government	13.3	13.8	13.1	12.6	12.4	12.8	13.2	14.2	14.9
State Government	17.6	18.3	18.1	18.0	17.8	18.0	18.3	19.2	19.8
State Government Education[e]	.....	.....	.....	.....	10.6	10.7	10.9	11.5	11.9
Local Government	51.8	51.8	51.2	49.8	49.0	48.6	49.7	51.3	52.1
Local Government Education	29.1	29.1	29.0	28.1	27.4	27.1	28.1	29.3	29.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-3 (1979-1987)

Cleveland Primary Metropolitan Statistical Area



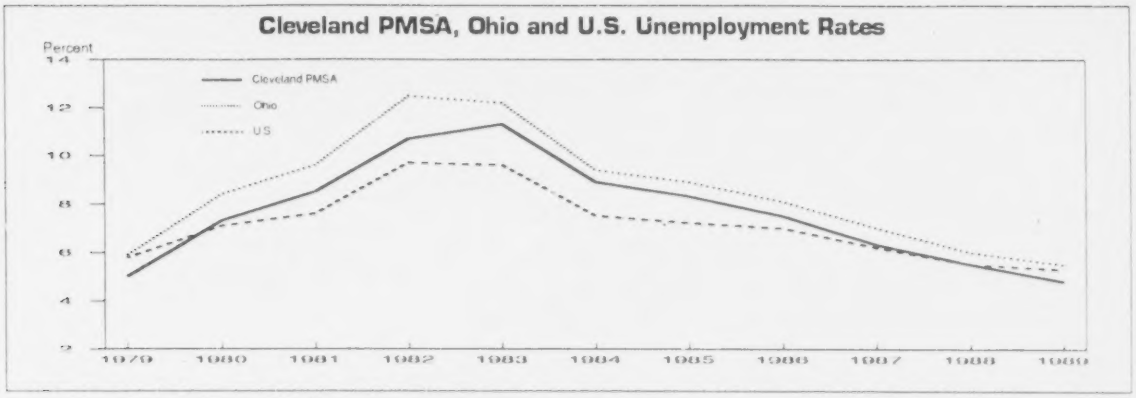
The estimated annual average civilian labor force in the Cleveland metropolitan area, distributed by place of residence, was 951,700 in 1989, up 15,200 from the 1988 level. Total employment increased 20,700 over the year, while unemployment decreased 5,400 to 46,000. The unemployment rate dropped from 5.5 percent in 1988 to 4.8 percent in 1989. (See table below.)

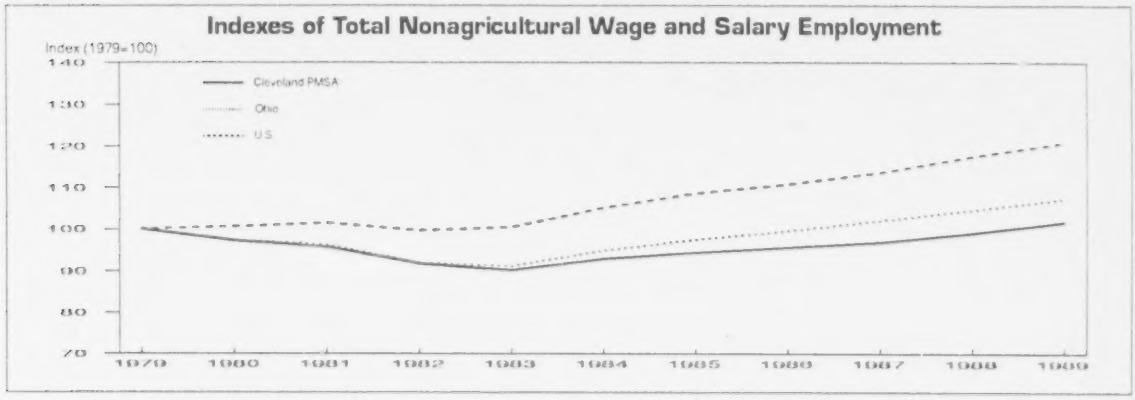
Nonagricultural wage and salary employment, at 935,200 in 1989, advanced 23,900 above the 1988 level, a 2.6 percent gain. Improvements in the service-producing sector contributed 69.9 percent of the increase as significant growth in services, especially business services, engineering and management services, and health services, created 8,700 jobs. Notable expansion was also posted in wholesale trade (+2,600), retail trade (+2,300), and government (+1,700). Employment in goods-producing industries rose 7,200 in 1989 to 240,800. Increased production in durable and nondurable goods added 3,700 manufacturing workers over the year. Moderate growth was recorded in industrial machinery and equipment, fabricated metal products, and printing and publishing. Construction gained 3,500 employees primarily due to more business in special trade contractors.

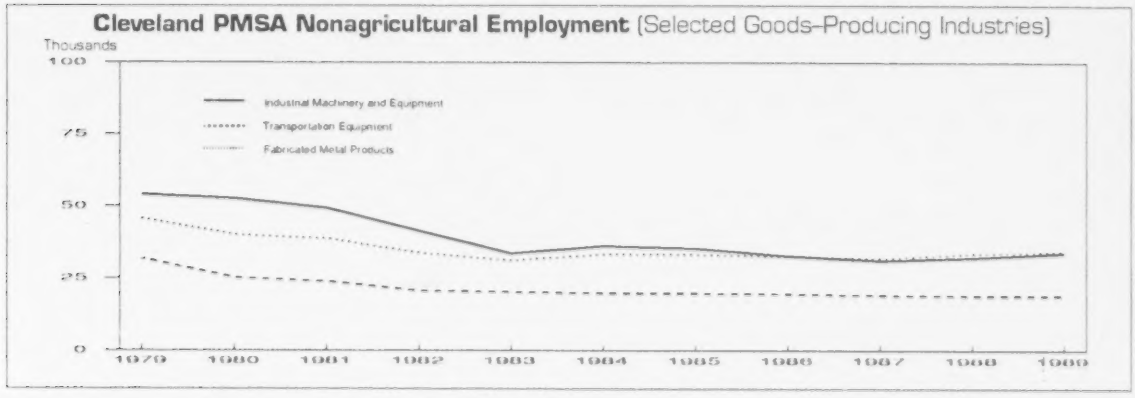
Cleveland PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

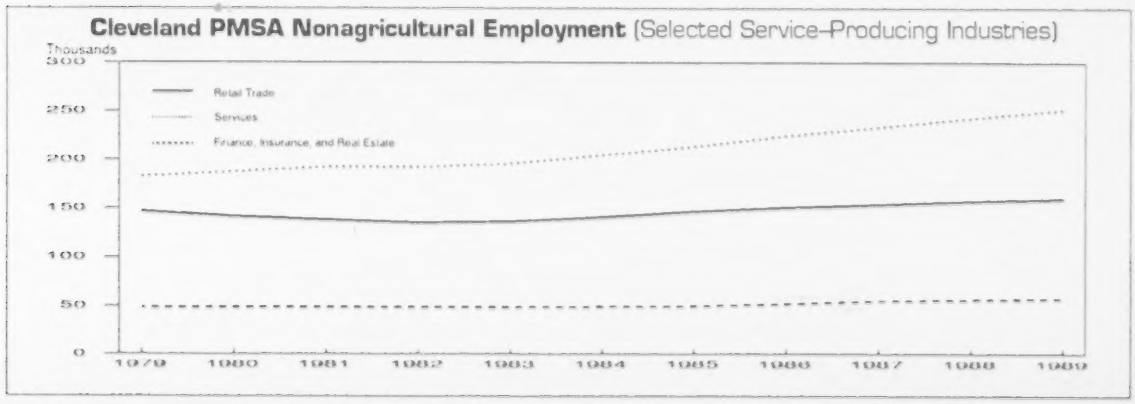
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
935.8	889.1	46.7	5.0	5.9	5.8	1979	919.8	311.5	608.4
937.1	869.1	68.0	7.3	8.4	7.1	1980	895.7	286.1	609.5
934.0	854.0	79.8	8.5	9.6	7.6	1981	880.7	275.7	605.0
933.4	833.2	100.2	10.7	12.5	9.7	1982	844.6	249.2	595.4
928.7	823.4	105.3	11.3	12.2	9.6	1983	829.8	233.8	596.0
923.6	841.0	82.6	8.9	9.4	7.5	1984	854.5	242.6	611.8
926.0	849.2	76.8	8.3	8.9	7.2	1985	868.7	239.9	628.8
932.8	862.7	70.1	7.5	8.1	7.0	1986	879.2	232.3	646.9
927.0	869.0	58.0	6.3	7.0	6.2	1987	891.6	230.1	661.5
936.5	885.0	51.4	5.5	6.0	5.5	1988	911.3	233.6	677.7
951.7	905.7	46.0	4.8	5.5	5.3	1989	935.2	240.8	694.4

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.


Cleveland PMSA, Ohio and U.S. Unemployment Rates
Percent
Cleveland PMSA
Ohio
U.S.
14
12
10
8
6
4
2
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
Cleveland PMSA
Ohio
U.S.
140
130
120
110
100
90
80
70
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989


Cleveland PMSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
Industrial Machinery and Equipment
Transportation Equipment
Fabricated Metal Products
100
75
50
25
0
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989


Cleveland PMSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
Retail Trade
Services
Finance, Insurance, and Real Estate
300
250
200
150
100
50
0
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	935.2	908.4	911.5	920.7	922.0	933.8	944.6	943.5	941.6	945.9	947.7	949.2	953.5
Goods-Producing Industries[b]	240.8	233.8	234.1	236.4	237.8	241.1	244.2	242.5	243.4	244.7	244.1	244.0	242.9
Construction	32.9	27.5	27.1	28.7	31.0	33.2	34.9	35.7	36.0	36.1	35.9	35.2	33.8
Special Trade Contractors	22.4	18.5	18.3	19.2	20.7	22.4	23.7	24.4	24.6	24.9	24.6	24.4	23.6
Manufacturing	207.0	205.4	206.1	206.9	206.0	207.1	208.4	206.0	206.6	207.7	207.4	207.9	208.2
Durable Goods[c]	142.1	141.7	141.9	142.6	141.8	142.3	142.9	141.3	141.3	142.3	141.8	142.4	142.6
Stone, Clay, and Glass Products	3.6	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.6	3.6	3.5	3.5
Primary Metal Industries	21.3	21.3	21.1	21.2	21.2	21.4	21.4	21.2	21.3	21.4	21.4	21.3	21.3
Iron and Steel Foundries	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.6	4.5	4.6	4.5	4.6	4.6
Fabricated Metal Products	34.3	34.7	34.6	34.7	34.2	34.2	34.4	34.1	34.0	34.1	33.8	34.3	34.3
Screw Machine Products, Bolts, etc.	5.2	5.2	5.1	5.2	5.2	5.2	5.3	5.2	5.1	5.1	5.1	5.1	5.1
Metal Forgings and Stampings	11.0	11.4	11.5	11.4	11.1	11.0	10.9	10.7	10.7	10.9	10.6	11.0	11.0
Industrial Machinery and Equipment	33.8	33.3	33.5	33.7	33.6	33.7	34.2	34.2	34.2	34.2	34.0	33.9	33.7
Metalworking Machinery	13.1	12.8	12.9	13.1	13.0	13.0	13.3	13.3	13.2	13.2	13.0	13.0	13.0
Electronic and Other Electric Equipment	15.4	15.5	15.5	15.7	15.3	15.4	15.5	15.3	15.1	15.3	15.3	15.6	15.6
Electrical Industrial Apparatus	4.4	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.4	4.5	4.5	4.5
Electric Lighting and Wiring Equipment	5.2	5.2	5.2	5.3	5.2	5.2	5.2	5.1	5.1	5.2	5.2	5.3	5.3
Transportation Equipment	19.2	19.2	19.3	19.4	19.5	19.7	19.3	18.4	18.7	19.2	19.3	19.2	19.6
Motor Vehicles and Equipment	12.0	12.0	12.1	12.1	12.2	12.4	12.0	11.2	11.5	12.1	12.2	12.2	12.5
Instruments and Related Products	7.1	6.9	6.9	6.9	7.1	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1
Measuring and Controlling Devices	4.9	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	5.0	4.9
Nondurable Goods[d]	64.9	63.8	64.2	64.3	64.2	64.8	65.5	64.8	65.2	65.4	65.6	65.6	65.6
Food and Kindred Products	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.1	6.4	6.7	6.7	6.7	6.7
Apparel and Other Textile Products	3.3	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.3
Paper and Allied Products	6.0	6.0	6.0	6.0	5.9	5.9	6.0	5.9	6.0	5.9	6.0	6.0	5.9
Printing and Publishing	16.7	16.1	16.4	16.4	16.4	16.6	16.8	16.9	17.1	16.9	17.1	17.1	17.1
Chemicals and Allied Products	14.6	14.3	14.4	14.5	14.5	14.6	14.8	14.8	14.9	14.8	14.6	14.6	14.6
Rubber and Miscellaneous Plastics Products	11.9	11.8	11.9	11.9	11.9	11.9	12.0	11.8	11.7	11.8	12.0	12.0	12.1
Miscellaneous Plastics Products	7.3	7.1	7.2	7.2	7.2	7.1	7.2	7.2	7.2	7.3	7.6	7.6	7.7
Service-Producing Industries	694.4	674.6	677.4	684.3	684.2	692.6	700.4	700.9	698.2	701.2	703.6	705.1	710.6
Transportation and Public Utilities	42.1	40.6	40.1	40.6	41.3	42.0	42.4	42.5	42.7	42.7	42.9	43.2	43.7
Transportation	24.6	23.2	22.8	23.3	23.8	24.5	24.8	24.9	25.1	25.2	25.4	25.8	26.2
Trucking and Warehousing	11.4	11.0	11.0	11.0	10.9	11.3	11.3	11.5	11.6	11.7	11.8	11.9	12.3
Transportation by Air	4.9	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.0	5.0	5.0	5.1	5.3
Communications, Electric, Gas Services	17.5	17.4	17.3	17.3	17.4	17.5	17.6	17.6	17.6	17.5	17.5	17.5	17.5
Communications	10.3	10.3	10.3	10.2	10.3	10.4	10.3	10.3	10.3	10.2	10.2	10.2	10.2
Electric, Gas, and Sanitary Services	7.2	7.1	7.1	7.1	7.1	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.3

See footnotes at end of table.

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Wholesale Trade	66.3	64.8	64.9	65.5	65.6	66.0	66.6	66.9	67.1	66.9	67.1	67.1	67.3
Wholesale Trade-Durable Goods	45.2	44.1	44.2	44.7	44.7	45.1	45.5	45.6	45.7	45.6	45.7	45.7	45.9
Motor Vehicles, Parts, and Supplies	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1
Professional and Commercial Equipment	9.1	8.8	8.9	9.0	9.0	9.0	9.1	9.1	9.2	9.2	9.1	9.1	9.1
Retail Trade	159.2	154.5	153.8	154.8	155.2	157.4	160.1	160.3	160.6	160.9	161.3	163.6	168.1
General Merchandise Stores	20.9	20.3	20.7	20.6	20.3	20.1	20.5	20.4	20.2	20.5	21.1	22.4	23.5
Finance, Insurance, and Real Estate	56.9	56.1	56.3	56.5	56.2	56.5	57.3	57.6	57.5	57.3	56.9	56.9	57.1
Finance	27.7	27.6	27.7	27.8	27.4	27.5	27.8	28.0	28.0	27.9	27.7	27.7	27.9
Depository Institutions	20.5	20.6	20.5	20.5	20.2	20.3	20.5	20.7	20.7	20.7	20.5	20.6	20.6
Commercial Banks	12.9	12.6	12.6	12.6	12.7	12.8	12.9	13.1	13.1	13.0	13.0	13.0	13.0
Insurance	18.4	18.1	18.2	18.2	18.4	18.4	18.6	18.6	18.5	18.4	18.4	18.3	18.3
Insurance Carriers	13.9	13.6	13.7	13.7	13.9	13.9	14.0	14.1	14.0	14.0	13.9	13.8	13.8
Fire, Marine, and Casualty Insurance	6.3	6.3	6.3	6.2	6.3	6.3	6.4	6.5	6.3	6.3	6.3	6.3	6.3
Services	252.0	242.3	244.8	247.9	249.8	251.9	254.6	254.8	254.9	257.1	256.2	254.6	254.6
Business Services	51.8	50.0	50.1	51.1	50.5	51.1	51.6	52.6	52.8	53.2	53.0	52.8	53.1
Personnel Supply Services	19.8	19.5	19.3	19.9	18.8	19.3	19.3	19.8	19.9	20.3	20.5	20.3	20.6
Computer and Data Processing Services	6.4	5.9	6.0	6.1	6.3	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.6
Amusements, Including Motion Pictures	11.7	9.2	9.3	9.9	11.2	12.4	13.6	14.2	14.3	13.6	11.4	10.4	10.4
Health Services	78.6	77.3	77.5	77.6	77.8	77.9	78.9	79.3	79.4	79.5	79.3	79.1	79.2
Nursing and Personal Care Facilities	13.3	12.9	13.1	13.2	13.1	13.2	13.3	13.3	13.4	13.4	13.4	13.4	13.5
Hospitals	43.8	43.5	43.4	43.5	43.5	43.5	44.1	44.2	44.2	44.2	44.0	43.7	43.6
Legal Services	9.4	9.1	9.1	9.2	9.2	9.3	9.7	9.7	9.7	9.7	9.5	9.5	9.5
Educational Services	17.7	17.8	19.2	19.3	19.1	18.7	16.7	14.4	14.1	16.8	18.5	18.9	18.3
Social Services	13.4	13.1	13.1	13.2	13.1	13.2	13.1	13.2	13.4	13.5	13.6	13.8	14.0
Residential Care	3.5	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.7	3.6	3.6	3.6	3.7
Engineering and Management Services	21.2	20.5	20.8	20.9	20.9	20.8	21.3	21.5	21.5	21.4	21.6	21.6	21.6
Engineering and Architectural Services	7.7	7.2	7.4	7.5	7.5	7.6	7.8	8.0	8.0	7.9	8.0	8.0	7.9
Accounting, Auditing, and Bookkeeping	6.5	6.6	6.7	6.6	6.6	6.4	6.5	6.5	6.4	6.4	6.5	6.4	6.4
Management and Public Relations	4.4	4.2	4.2	4.3	4.2	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.6
Government	118.0	116.4	117.4	119.0	116.0	118.7	119.5	118.8	115.4	116.4	119.2	119.7	119.9
Federal Government	20.7	20.7	20.6	20.7	20.5	20.7	20.9	20.7	20.7	20.6	20.6	20.6	20.9
State Government	7.9	7.8	8.2	8.3	8.5	8.0	8.0	7.7	7.5	7.3	7.8	7.7	8.1
State Government Education[e]	2.9	2.9	3.3	3.4	3.3	3.1	3.0	2.5	2.3	2.3	3.0	2.8	3.2
Local Government	89.4	87.9	88.6	90.1	87.0[f]	90.0	90.5	90.3	87.2	88.4	90.7	91.4	90.9
Local Government Education	45.4	45.2	46.1	47.2	46.3	46.7	44.9	42.7	40.0	44.4	47.0	47.7	47.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-4 (1989)

Cleveland PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.83	$11.94	$11.83	$11.85	$11.87	$11.84	$11.79	$11.57	$11.69	$11.90	$11.84	$11.86	$11.90
Durable Goods[b]	12.32	12.44	12.31	12.34	12.36	12.33	12.28	12.01	12.14	12.41	12.36	12.38	12.45
Stone, Clay, and Glass Products	11.57	11.46	11.20	11.42	11.50	11.56	11.39	11.67	11.68	11.72	11.79	11.69	11.77
Primary Metal Industries	12.03	12.25	11.80	11.86	12.25	12.23	12.14	11.85	11.73	12.13	12.05	12.02	11.97
Iron and Steel Foundries	17.72	18.64	17.68	17.71	17.95	17.78	17.65	17.07	17.02	18.17	17.83	17.51	17.32
Fabricated Metal Products	12.40	12.49	12.56	12.44	12.55	12.45	12.30	11.98	12.26	12.40	12.46	12.61	12.32
Screw Machine Products, Bolts, etc.	12.25	12.43	12.44	12.38	12.54	12.57	12.55	12.08	12.11	12.09	12.04	12.00	11.74
Metal Forgings and Stampings	14.94	15.01	15.13	14.91	15.08	14.89	14.71	14.35	14.77	14.98	15.11	15.38	14.91
Industrial Machinery and Equipment	11.95	12.30	12.21	12.17	11.92	11.81	11.70	11.63	11.69	12.05	11.99	11.92	11.96
Metalworking Machinery	12.02	12.50	12.32	12.23	12.02	11.93	11.88	11.70	11.76	12.03	12.04	12.05	11.82
Electronic and Other Electric Equipment	10.24	10.19	10.16	10.20	10.24	10.28	10.25	10.23	10.20	10.26	10.22	10.30	10.37
Electrical Industrial Apparatus	10.23	10.15	10.05	10.17	10.26	10.25	10.32	10.14	10.14	10.38	10.26	10.26	10.40
Electric Lighting and Wiring Equipment	9.75	9.69	9.72	9.67	9.70	9.72	9.73	9.84	9.87	9.77	9.74	9.81	9.79
Transportation Equipment	16.15	16.03	15.97	16.25	16.08	16.12	16.17	15.68	16.06	16.34	16.24	16.20	16.60
Motor Vehicles and Equipment	17.67	17.49	17.38	17.75	17.51	17.63	17.74	17.19	17.63	17.94	17.82	17.70	18.22
Instruments and Related Products	10.04	9.25	9.49	9.69	9.69	9.80	10.12	10.15	10.27	10.25	10.37	10.59	10.76
Measuring and Controlling Devices	10.73	10.60	10.59	10.60	10.65	10.66	10.72	10.75	10.78	10.72	10.81	10.88	10.98
Nondurable Goods[c]	10.51	10.55	10.52	10.52	10.53	10.51	10.50	10.42	10.53	10.58	10.51	10.45	10.48
Food and Kindred Products	10.91	10.94	10.65	11.00	10.93	10.90	10.89	10.62	10.91	11.10	10.82	10.97	11.12
Apparel and Other Textile Products	9.49	9.40	9.42	9.45	9.46	9.55	9.57	9.54	9.39	9.50	9.58	9.51	9.55
Paper and Allied Products	11.27	11.87	11.68	11.35	11.25	11.20	11.16	11.03	10.99	11.13	11.00	11.09	11.43
Printing and Publishing	9.85	9.82	9.84	9.81	9.89	9.87	9.77	9.78	9.96	10.02	9.95	9.80	9.74
Chemicals and Allied Products	12.52	12.43	12.42	12.46	12.54	12.54	12.50	12.43	12.42	12.56	12.67	12.66	12.66
Rubber and Miscellaneous Plastics Products	8.97	9.04	8.99	8.92	8.97	8.91	8.95	8.83	9.04	9.07	9.01	8.93	8.94
Miscellaneous Plastics Products	9.08	9.21	9.22	9.07	9.00	9.00	9.01	8.88	9.12	9.18	9.07	9.09	9.07
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	13.56	13.53	13.48	13.56	13.53	13.61	13.42	13.43	13.72	13.68	13.51	13.53	13.70
Communications, Electric, Gas Services	14.91	14.65	14.57	14.69	14.74	14.83	14.98	15.12	15.05	15.05	15.11	15.09	14.97
Wholesale Trade	11.30	11.18	11.25	11.07	11.10	11.16	11.16	11.26	11.35	11.43	11.47	11.53	11.60
Retail Trade[d]	6.70	6.65	6.74	6.73	6.75	6.70	6.66	6.66	6.63	6.71	6.75	6.75	6.70
General Merchandise Stores	6.67	6.66	6.72	6.74	6.77	6.76	6.55	6.65	6.61	6.67	6.70	6.65	6.59
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	10.21	9.99	10.02	10.16	10.16	10.23	10.23	10.25	10.33	10.30	10.27	10.28	10.30
Nursing and Personal Care Facilities	6.69	6.54	6.56	6.59	6.56	6.65	6.70	6.85	6.70	6.70	6.72	6.81	6.88
Hospitals	11.42	10.86	11.11	11.28	11.29	11.42	11.44	11.44	11.63	11.63	11.67	11.65	11.66

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [t]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-4 (1989)

Cleveland PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.1	43.8	43.4	43.7	43.6	43.2	43.4	41.9	42.3	43.5	42.9	43.0	43.0
Durable Goods[b]	43.8	44.7	44.3	44.5	44.5	44.0	44.1	42.4	42.7	44.1	43.5	43.7	43.6
Stone, Clay, and Glass Products	41.7	42.5	42.8	42.9	43.2	41.3	39.6	41.1	41.2	41.3	41.8	41.2	41.6
Primary Metal Industries	44.9	46.2	44.7	45.2	46.0	45.3	46.0	44.4	43.7	45.2	44.2	44.3	44.1
Iron and Steel Foundries	48.6	52.8	48.8	49.4	51.2	51.6	50.4	45.4	45.1	49.3	47.9	47.1	44.0
Fabricated Metal Products	43.3	43.7	43.7	44.0	44.4	44.2	43.5	41.5	42.6	43.1	43.1	43.4	42.8
Screw Machine Products, Bolts, etc.	44.1	47.3	45.8	44.5	44.5	45.0	44.8	42.9	42.4	43.1	42.8	43.7	42.7
Metal Forgings and Stampings	44.4	46.0	46.4	45.3	45.9	45.4	44.3	41.0	43.2	43.4	44.1	44.7	43.3
Industrial Machinery and Equipment	44.3	46.2	46.0	45.3	44.5	44.3	43.7	41.9	42.0	44.6	44.6	44.3	44.0
Metalworking Machinery	44.7	45.6	45.5	44.4	44.3	44.0	44.3	43.2	43.2	45.3	45.9	46.2	44.9
Electronic and Other Electric Equipment	41.4	41.9	42.3	42.3	41.8	42.0	41.9	40.7	40.4	41.2	40.7	40.6	40.5
Electrical Industrial Apparatus	42.9	42.9	44.2	44.6	43.2	43.9	44.5	41.9	42.2	43.0	42.0	41.2	41.5
Electric Lighting and Wiring Equipment	38.9	39.0	39.5	39.9	39.7	39.2	39.5	38.9	38.4	39.2	38.7	37.9	37.4
Transportation Equipment	45.2	46.8	45.4	45.6	45.6	44.7	45.7	43.7	44.0	46.0	44.3	44.7	45.7
Motor Vehicles and Equipment	46.3	48.1	46.2	46.9	46.8	46.0	47.2	44.7	45.4	47.4	45.0	45.5	46.3
Instruments and Related Products	41.3	39.9	40.3	40.8	40.4	41.3	42.6	41.9	41.7	40.9	41.6	42.0	41.8
Measuring and Controlling Devices	42.8	42.0	42.1	42.1	42.3	42.3	42.6	43.2	43.6	42.4	43.2	43.6	43.7
Nondurable Goods[c]	41.4	41.6	41.3	41.6	41.4	41.0	41.7	40.7	41.4	41.9	41.3	41.4	41.6
Food and Kindred Products	42.8	42.3	40.9	45.4	43.1	43.4	43.4	41.5	43.7	43.8	41.5	41.7	43.1
Apparel and Other Textile Products	38.4	40.1	39.1	38.1	37.2	38.3	38.1	37.2	35.8	39.3	38.7	39.3	39.4
Paper and Allied Products	42.9	43.3	42.5	42.1	42.1	42.3	43.8	42.2	42.5	42.6	42.8	43.4	45.2
Printing and Publishing	37.8	37.9	37.6	37.9	38.3	37.2	36.9	37.2	37.9	38.6	38.1	38.4	37.9
Chemicals and Allied Products	43.4	43.2	44.0	43.8	44.3	43.5	44.0	43.2	43.6	43.3	43.1	42.5	42.7
Rubber and Miscellaneous Plastics Products	42.7	43.2	42.8	42.7	42.3	42.2	43.3	41.6	42.5	43.4	43.0	42.5	42.7
Miscellaneous Plastics Products	43.3	42.8	43.2	42.8	42.0	42.8	44.1	42.3	44.0	44.7	43.6	43.7	43.1
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation	....	....	....	....	....	....	....	....	....	....	....	....	....
Trucking and Warehousing	33.8	31.8	33.2	33.8	33.6	36.0	35.1	35.3	33.2	34.9	32.7	32.5	34.3
Communications, Electric, Gas Services	41.3	40.7	40.2	40.8	41.0	41.5	42.1	42.2	42.0	41.6	41.4	41.2	40.8
Wholesale Trade	39.8	40.7	40.5	40.1	40.0	39.9	39.4	39.6	39.4	39.7	39.5	39.6	39.7
Retail Trade	27.4	27.1	26.9	27.0	27.0	27.4	28.0	28.0	27.9	27.7	27.4	27.0	27.8
General Merchandise Stores	28.0	26.9	27.0	27.5	27.4	27.7	28.8	28.4	28.2	28.7	28.1	27.3	30.4
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	31.1	31.3	31.4	31.1	31.0	31.1	31.1	31.1	31.2	31.2	31.0	31.0	31.1
Nursing and Personal Care Facilities	32.1	32.2	32.1	31.9	31.9	32.0	31.6	32.0	32.1	32.1	32.3	32.9	32.6
Hospitals	30.7	31.6	31.0	30.7	30.7	30.6	30.7	30.6	30.8	30.6	30.3	30.2	30.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-4 (1989)

Cleveland PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$509.87	$522.97	$513.42	$517.85	$517.53	$511.49	$511.69	$484.78	$494.49	$517.65	$507.94	$509.98	$511.70
Durable Goods[b]	539.62	556.07	545.33	549.13	550.02	542.52	541.55	509.22	518.38	547.28	537.66	541.01	542.82
Stone, Clay, and Glass Products	482.47	487.05	479.36	489.92	496.80	477.43	451.04	479.64	481.22	484.04	492.82	481.63	489.63
Primary Metal Industries	540.15	565.95	527.46	536.07	563.50	554.02	558.44	526.14	512.60	548.28	532.61	532.49	527.88
Iron and Steel Foundries	861.19	984.19	862.78	874.87	919.04	917.45	889.56	774.98	767.60	895.78	854.06	824.72	762.08
Fabricated Metal Products	536.92	545.81	548.87	547.36	557.22	550.29	535.05	497.17	522.28	534.44	537.03	547.27	527.30
Screw Machine Products, Bolts, etc.	540.23	587.94	569.75	550.91	558.03	565.65	562.24	518.23	513.46	521.08	515.31	524.40	501.30
Metal Forgings and Stampings	663.34	690.46	702.03	675.42	692.17	676.01	651.65	588.35	638.06	650.13	666.35	687.49	645.60
Industrial Machinery and Equipment	529.39	568.26	561.66	551.30	530.44	523.18	511.29	487.30	490.98	537.43	534.75	528.06	526.24
Metalworking Machinery	537.29	570.00	560.56	543.01	532.49	524.92	526.28	505.44	508.03	544.96	552.64	556.71	530.72
Electronic and Other Electric Equipment	423.94	426.96	429.77	431.46	428.03	431.76	429.48	416.36	412.08	422.71	415.95	418.18	419.99
Electrical Industrial Apparatus	438.87	435.44	444.21	453.58	443.23	449.98	459.24	424.87	427.91	446.34	430.92	422.71	431.60
Electric Lighting and Wiring Equipment	379.28	377.91	383.94	385.83	385.09	381.02	384.34	382.78	379.01	382.98	376.94	371.80	366.15
Transportation Equipment	729.98	750.20	725.04	741.00	733.25	720.56	738.97	685.22	706.64	751.64	719.43	724.14	758.62
Motor Vehicles and Equipment	818.12	841.27	802.96	832.48	819.47	810.98	837.33	768.39	800.40	850.36	801.90	805.35	843.59
Instruments and Related Products	414.65	369.08	382.45	395.35	391.48	404.74	431.11	425.29	428.26	419.23	431.39	444.78	449.77
Measuring and Controlling Devices	459.24	445.20	445.84	446.26	450.50	450.92	456.67	464.40	470.01	454.53	466.99	474.37	479.83
Nondurable Goods[c]	435.11	438.88	434.48	437.63	435.94	430.91	437.85	424.09	435.94	443.30	434.06	432.63	435.97
Food and Kindred Products	466.95	462.76	435.59	499.40	471.08	473.06	472.63	440.73	476.77	486.18	449.03	457.45	479.27
Apparel and Other Textile Products	364.42	376.94	368.32	360.05	351.91	365.77	364.62	354.89	336.16	373.35	370.75	373.74	376.27
Paper and Allied Products	483.48	513.97	496.40	477.84	473.63	473.76	488.81	465.47	467.08	474.14	470.80	481.31	516.64
Printing and Publishing	372.33	372.18	369.98	371.80	378.79	367.16	360.51	363.82	377.48	386.77	379.10	376.32	369.15
Chemicals and Allied Products	543.37	536.98	546.48	545.75	555.52	545.49	550.00	536.98	541.51	543.85	546.08	538.05	540.58
Rubber and Miscellaneous Plastics Products	383.02	390.53	384.77	380.88	379.43	376.00	387.54	367.33	384.20	393.64	387.43	379.53	381.74
Miscellaneous Plastics Products	393.16	394.19	398.30	388.20	378.00	385.20	397.34	375.62	401.28	410.35	395.45	397.23	390.92
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	458.33	430.25	447.54	458.33	454.61	489.96	471.04	474.08	455.50	477.43	441.78	439.73	469.91
Communications, Electric, Gas Services	615.78	596.26	585.71	599.35	604.34	615.45	630.66	638.06	632.10	626.08	625.55	621.71	610.78
Wholesale Trade	449.74	455.03	455.63	443.91	444.00	445.28	439.70	445.90	447.19	453.77	453.07	456.59	460.52
Retail Trade[d]	183.58	180.22	181.31	181.71	182.25	183.58	186.48	186.48	184.98	185.87	184.95	182.25	186.26
General Merchandise Stores	186.76	179.15	181.44	185.35	185.50	187.25	188.64	188.86	186.40	191.43	188.27	181.55	200.34
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	321.26	321.13	322.41	322.62	324.97	324.24	321.97	324.48	318.91	317.88	319.67	319.63	317.17
Depository Institutions	297.27	306.59	297.26	297.86	297.51	300.00	298.13	300.50	296.17	291.07	296.53	293.54	292.29
Commercial Banks	296.32	312.46	304.73	304.57	302.98	301.50	293.84	297.15	291.13	287.31	286.42	287.19	287.67

See footnotes at end of table.

Cleveland PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a] (continued)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	$317.53	$312.69	$314.63	$315.98	$314.96	$318.15	$318.15	$318.78	$322.30	$321.36	$318.37	$318.68	$320.33
Nursing and Personal Care Facilities	214.75	210.59	210.58	210.22	209.26	212.80	211.72	219.20	215.07	215.07	217.06	224.05	224.29
Hospitals	350.59	343.18	344.41	346.30	346.60	349.45	351.21	350.06	358.20	355.88	353.60	351.83	353.30

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-4 (1989)

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	911.3	882.7	880.0	886.5	901.8	911.7	924.0	923.8	920.2	923.0	922.6	926.9	932.1
Goods-Producing Industries[b]	233.6	225.5	223.5	225.6	2[illegible]0	232.6	236.7	237.4	237.6	238.6	238.6	239.1	238.2
Construction	29.4	24.0	23.2	24.4	27.6	29.5	31.5	32.4	32.7	32.6	32.5	31.9	30.3
Special Trade Contractors	19.8	16.1	15.7	16.4	18.4	19.7	21.2	21.7	22.0	22.0	22.0	21.6	20.7
Manufacturing	203.3	200.4	199.3	200.2	201.4	202.3	204.5	204.1	204.0	205.0	205.3	206.2	206.9
Durable Goods[c]	139.2	137.1	136.4	137.0	137.9	138.4	139.6	139.3	139.7	140.7	140.9	141.7	142.3
Stone, Clay, and Glass Products	3.6	3.5	3.4	3.5	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.6	3.6
Primary Metal Industries	21.3	21.2	21.3	21.4	21.5	21.3	21.3	21.1	21.1	21.4	21.4	21.4	21.4
Iron and Steel Foundries	4.7	4.8	4.8	4.8	4.6	4.6	4.6	4.4	4.4	4.7	4.8	4.7	4.8
Fabricated Metal Products	33.5	32.3	32.2	32.4	32.9	33.1	33.6	33.7	33.8	34.1	34.3	34.6	34.9
Screw Machine Products, Bolts, etc.	5.0	4.9	4.9	4.9	4.9	5.0	5.1	5.1	5.1	5.1	5.0	5.1	5.1
Metal Forgings and Stampings	11.1	10.9	11.0	11.0	10.9	11.0	11.1	11.1	10.9	11.0	11.3	11.4	11.6
Industrial Machinery and Equipment	32.3	31.7	31.3	31.5	31.5	31.8	32.3	32.4	32.5	32.8	32.9	33.1	33.2
Metalworking Machinery	12.6	12.3	12.4	12.4	12.2	12.4	12.6	12.7	12.7	12.7	12.8	12.8	12.8
Electronic and Other Electric Equipment	15.4	15.1	15.0	15.1	15.1	15.1	15.3	15.4	15.4	15.6	15.6	15.7	15.8
Electrical Industrial Apparatus	4.1	3.9	3.9	4.0	4.0	4.0	4.0	4.2	4.2	4.3	4.3	4.3	4.4
Electric Lighting and Wiring Equipment	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.3
Transportation Equipment	19.1	19.3	19.2	19.1	19.1	19.2	19.1	18.8	19.1	18.9	18.8	19.1	19.3
Motor Vehicles and Equipment	11.9	12.1	11.9	11.8	12.0	12.1	12.0	11.6	11.9	11.8	11.7	11.9	12.0
Instruments and Related Products	7.0	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.9	6.9	6.9	6.9
Measuring and Controlling Devices	4.9	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.7
Nondurable Goods[d]	64.1	63.4	62.9	63.3	63.5	63.9	64.9	64.8	64.4	64.4	64.3	64.6	64.7
Food and Kindred Products	6.7	6.6	6.5	6.5	6.6	6.7	6.9	6.9	6.8	6.8	6.7	6.7	6.8
Apparel and Other Textile Products	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.5	3.4	3.4
Paper and Allied Products	6.1	5.9	5.9	6.0	6.0	6.0	6.1	6.2	6.2	6.1	6.1	6.1	6.1
Printing and Publishing	16.2	16.2	15.9	16.0	16.1	16.1	16.4	16.4	16.2	16.2	16.3	16.5	16.6
Chemicals and Allied Products	14.7	14.5	14.6	14.7	14.6	14.8	14.9	14.9	14.8	14.7	14.5	14.5	14.4
Rubber and Miscellaneous Plastics Products	11.6	11.5	11.5	11.4	11.4	11.5	11.6	11.5	11.5	11.7	11.7	11.8	11.8
Miscellaneous Plastics Products	6.9	6.9	6.9	6.8	6.7	6.8	6.9	6.8	6.9	7.0	7.0	7.0	7.0
Service-Producing Industries	677.7	657.2	656.5	660.9	671.8	679.1	687.2	686.4	682.6	684.4	684.0	687.8	693.9
Transportation and Public Utilities	41.5	40.3	40.0	40.3	41.2	41.6	41.9	42.0	42.0	42.0	41.8	42.1	42.4
Transportation	23.8	23.0	22.6	22.9	23.5	23.9	24.1	24.1	24.1	24.2	24.0	24.1	24.4
Trucking and Warehousing	11.6	11.6	11.7	11.7	11.6	11.7	11.8	11.8	11.7	11.7	11.5	11.4	11.7
Transportation by Air	4.4	4.3	4.3	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.6	4.7
Communications, Electric, Gas Services	17.7	17.3	17.4	17.4	17.7	17.7	17.8	17.8	17.8	17.8	17.8	18.0	17.9
Communications	10.5	10.3	10.3	10.3	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.6	10.6
Electric, Gas, and Sanitary Services	7.2	7.1	7.1	7.1	7.2	7.2	7.3	7.4	7.4	7.3	7.2	7.4	7.3

See footnotes at end of table.

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1988[a] (continued)

(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Wholesale Trade	63.7	61.6	61.7	62.2	62.7	63.2	64.0	64.5	64.6	64.6	64.8	64.9	65.2
Wholesale Trade-Durable Goods	44.0	43.1	43.1	43.4	43.5	43.7	44.1	44.5	44.4	44.4	44.5	44.4	44.4
Motor Vehicles, Parts, and Supplies	4.7	5.2	5.1	5.1	4.7	4.7	4.7	4.7	4.6	4.5	4.4	4.3	4.2
Professional and Commercial Equipment	8.7	8.5	8.5	8.5	8.7	8.7	8.8	8.8	8.8	8.9	8.9	8.8	8.9
Retail Trade	156.9	153.8	151.4	152.0	154.4	156.9	159.6	158.7	158.8	157.8	157.0	159.0	163.1
General Merchandise Stores	20.8	21.7	20.5	20.0	20.0	20.0	20.4	20.6	20.5	20.7	21.0	21.7	22.5
Finance, Insurance, and Real Estate	56.1	55.4	55.4	55.7	55.9	56.0	56.5	56.8	56.7	56.5	56.2	56.2	56.5
Finance	27.5	27.6	27.4	27.4	27.5	27.5	27.6	27.8	27.7	27.5	27.4	27.4	27.5
Depository Institutions	20.4	20.2	20.1	20.2	20.4	20.4	20.6	20.6	20.6	20.4	20.4	20.4	20.6
Commercial Banks	12.5	12.5	12.5	12.5	12.6	12.5	12.6	12.6	12.6	12.4	12.5	12.5	12.5
Insurance	18.1	17.9	17.9	18.0	18.0	18.1	18.2	18.2	18.1	18.2	18.2	18.2	18.3
Insurance Carriers	13.7	13.6	13.7	13.7	13.6	13.6	13.7	13.8	13.6	13.8	13.8	13.7	13.8
Fire, Marine, and Casualty Insurance	6.2	6.0	6.1	6.1	6.2	6.2	6.3	6.4	6.3	6.3	6.3	6.3	6.4
Services	243.3	230.7	231.8	233.9	240.9	244.2	247.8	247.3	247.9	249.6	248.2	248.3	248.8
Business Services	49.2	45.6	45.6	46.0	47.3	49.1	50.3	50.8	51.0	51.5	51.0	50.7	51.2
Personnel Supply Services	18.9	16.7	16.6	17.0	17.5	18.9	19.7	19.9	20.0	20.3	20.2	20.0	20.5
Computer and Data Processing Services	5.8	5.5	5.6	5.6	5.6	5.7	5.8	5.9	5.9	5.9	6.0	6.0	6.0
Amusements, Including Motion Pictures	11.1	8.5	8.2	8.7	10.8	12.0	12.8	13.2	13.6	12.7	10.9	10.5	10.7
Health Services	77.5	76.5	76.5	76.4	76.8	76.9	77.5	78.1	78.3	78.3	78.2	78.1	78.3
Nursing and Personal Care Facilities	12.9	12.6	12.6	12.6	12.7	12.7	12.9	13.2	13.4	13.3	13.0	13.0	13.1
Hospitals	43.9	44.0	43.9	43.8	43.7	43.7	43.9	44.1	44.0	43.9	43.9	43.9	43.9
Legal Services	8.9	8.4	8.4	8.5	8.6	8.7	9.1	9.3	9.2	9.2	8.9	8.9	9.0
Educational Services	17.1	16.8	17.7	17.7	17.7	17.4	16.3	14.6	14.4	16.6	18.5	19.0	18.1
Social Services	13.1	13.0	13.0	13.0	13.4	13.3	13.3	13.0	12.9	13.1	13.0	13.1	13.2
Residential Care	3.0	2.6	2.6	2.6	2.8	2.8	3.0	3.0	3.2	3.3	3.3	3.4	3.5
Engineering and Management Services	19.0	17.8	18.0	18.3	18.4	18.6	19.0	19.2	19.4	19.6	19.9	20.2	20.5
Engineering and Architectural Services	6.2	5.5	5.5	5.6	5.9	6.0	6.1	6.2	6.4	6.6	6.6	6.8	7.1
Accounting, Auditing, and Bookkeeping	6.4	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.6	6.5	6.5
Management and Public Relations	4.0	3.8	3.8	3.9	3.8	3.9	4.0	4.1	4.0	4.0	4.1	4.2	4.3
Government	116.3	115.4	116.2	116.9	116.6	117.3	117.4	117.2	112.6	114.0	116.1	117.4	118.1
Federal Government	20.8	20.8	20.8	20.8	20.8	20.7	20.7	20.8	20.9	20.6	20.6	20.8	21.1
State Government	8.2	8.0	8.2	8.5	8.7	8.2	8.4	8.1	7.7	7.6	8.1	7.9	8.5
State Government Education[e]	3.1	3.0	3.3	3.4	3.4	3.0	3.2	2.8	2.5	2.5	3.2	3.1	3.5
Local Government	87.3	86.6	87.3	87.6	87.2	88.4	88.3	88.3	84.0	85.7	87.3	88.6	88.5
Local Government Education	43.7	43.6	44.5	45.2	44.4	45.4	43.9	41.4	37.6	42.5	44.6	45.7	45.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4.5 90 RS 790 1-4 (1988)

Cleveland PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.72	$11.68	$11.61	$11.65	$11.71	$11.70	$11.71	$11.54	$11.64	$11.76	$11.77	$11.87	$11.99
Durable Goods[b]	12.30	12.29	12.19	12.21	12.28	12.30	12.31	12.08	12.23	12.34	12.33	12.43	12.53
Stone, Clay, and Glass Products	11.31	10.91	11.03	11.19	11.35	11.54	11.48	11.49	11.33	11.29	11.31	11.34	11.32
Primary Metal Industries	12.36	12.58	12.31	12.43	12.36	12.32	12.35	12.09	12.28	12.37	12.39	12.41	12.42
Iron and Steel Foundries	17.67	17.65	17.12	17.60	17.59	17.52	17.70	16.88	17.61	17.87	18.09	17.88	18.39
Fabricated Metal Products	12.50	12.47	12.46	12.21	12.38	12.58	12.69	12.30	12.42	12.41	12.48	12.71	12.86
Screw Machine Products, Bolts, etc.	11.78	11.14	11.21	11.38	11.62	11.72	11.96	11.58	11.91	12.01	11.99	12.26	12.46
Metal Forgings and Stampings	15.11	15.20	15.13	14.62	14.94	15.19	15.36	14.91	15.03	14.96	14.98	15.29	15.65
Industrial Machinery and Equipment	11.74	11.37	11.46	11.67	11.66	11.73	11.70	11.55	11.52	11.79	11.98	12.10	12.16
Metalworking Machinery	11.71	11.43	11.38	11.53	11.49	11.47	11.44	11.61	11.70	11.81	12.15	12.16	12.28
Electronic and Other Electric Equipment	10.02	9.88	10.01	10.01	9.93	9.95	10.04	10.05	10.08	10.05	9.99	10.06	10.15
Electrical Industrial Apparatus	9.89	9.73	9.99	9.94	9.85	9.85	9.88	9.99	9.87	9.81	9.78	9.83	10.14
Electric Lighting and Wiring Equipment	9.69	9.32	9.59	9.52	9.68	9.65	9.72	9.78	9.99	9.91	9.82	9.78	9.55
Transportation Equipment	15.79	15.49	15.27	15.60	15.86	15.75	15.82	15.54	15.87	16.24	15.97	15.94	16.06
Motor Vehicles and Equipment	17.29	16.93	16.70	17.15	17.46	17.25	17.38	17.09	17.37	17.74	17.40	17.33	17.57
Instruments and Related Products	9.38	9.33	9.36	9.40	9.24	9.26	9.30	9.47	9.37	9.44	9.34	9.50	9.55
Measuring and Controlling Devices	10.48	10.30	10.38	10.43	10.22	10.30	10.40	10.67	10.46	10.53	10.56	10.75	10.72
Nondurable Goods[c]	10.20	10.15	10.11	10.17	10.19	10.11	10.10	10.13	10.09	10.18	10.29	10.34	10.48
Food and Kindred Products	9.90	9.33	9.25	9.41	9.52	9.65	9.84	10.10	10.13	10.18	10.33	10.44	10.70
Apparel and Other Textile Products	8.98	9.02	9.03	8.98	8.91	8.86	8.90	8.90	8.91	8.91	8.99	9.11	9.21
Paper and Allied Products	11.42	11.24	11.11	11.21	11.37	11.28	11.24	11.38	11.44	11.67	11.64	11.65	11.76
Printing and Publishing	9.63	9.39	9.46	9.66	9.70	9.64	9.67	9.53	9.47	9.66	9.85	9.68	9.85
Chemicals and Allied Products	11.89	11.94	11.95	11.87	11.93	11.80	11.68	11.73	11.68	11.78	11.90	12.19	12.34
Rubber and Miscellaneous Plastics Products	8.96	8.92	8.84	8.88	8.87	8.94	8.97	8.97	8.98	8.94	9.08	9.12	9.04
Miscellaneous Plastics Products	9.08	9.07	8.92	8.96	8.97	8.95	9.00	9.05	9.15	9.08	9.22	9.28	9.30
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.39	14.22	14.14	14.09	14.10	14.23	14.23	14.38	14.66	14.67	14.60	14.75	14.53
Wholesale Trade	10.83	10.31	10.46	10.46	10.64	10.66	10.97	10.91	11.00	11.10	11.11	11.11	11.24
Retail Trade[d]	6.61	6.56	6.54	6.63	6.65	6.62	6.57	6.64	6.56	6.64	6.62	6.64	6.62
General Merchandise Stores	6.72	6.62	6.86	6.79	6.80	6.76	6.74	6.83	6.64	6.76	6.71	6.58	6.58
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.84	10.90	10.94	10.83	10.83	10.78	10.76	10.71	10.72	10.88	10.89	10.92	10.88

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [l]Depressed due to labor-management disputes during part of pay period. [9]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-4 (1988)

Cleveland PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.4	43.0	42.9	43.5	43.5	43.5	43.8	42.8	42.8	43.3	43.5	44.0	44.4
Durable Goods[b]	44.5	43.9	43.8	44.5	44.4	44.6	45.0	43.6	43.8	44.5	44.7	45.3	45.5
Stone, Clay, and Glass Products	41.2	39.0	40.3	40.8	39.6	41.2	40.7	41.3	41.9	42.4	42.7	42.2	42.7
Primary Metal Industries	47.1	46.9	46.0	46.9	47.1	47.7	48.2	45.8	46.8	46.5	47.8	47.6	48.0
Iron and Steel Foundries	49.6	50.9	46.6	48.9	49.0	50.1	50.7	43.4	50.4	49.6	50.7	52.2	53.4
Fabricated Metal Products	44.3	44.5	44.2	43.8	44.0	44.3	45.0	43.0	43.3	44.3	44.3	45.1	45.8
Screw Machine Products, Bolts, etc.	46.1	46.9	46.3	46.6	46.1	45.4	47.0	44.7	44.8	46.3	45.9	46.2	47.3
Metal Forgings and Stampings	46.8	46.5	46.6	45.0	45.7	47.3	48.5	45.1	46.0	46.7	46.6	48.3	49.1
Industrial Machinery and Equipment	43.3	42.3	42.4	43.1	43.6	43.1	43.1	42.6	42.1	43.3	44.2	44.7	45.1
Metalworking Machinery	42.3	42.0	40.9	41.7	41.8	41.7	41.6	42.6	41.9	42.3	43.2	43.3	44.1
Electronic and Other Electric Equipment	41.6	41.8	42.9	43.1	40.9	40.8	41.8	41.2	40.6	41.6	41.3	41.1	41.9
Electrical Industrial Apparatus	43.3	41.1	44.8	44.9	42.3	42.0	43.5	43.7	43.4	44.0	43.7	42.5	44.0
Electric Lighting and Wiring Equipment	39.2	40.5	40.8	40.8	39.4	39.0	39.0	38.4	37.9	38.7	38.8	38.7	38.4
Transportation Equipment	47.3	46.0	45.5	46.8	48.1	48.4	48.6	46.3	47.2	47.7	46.8	47.8	47.8
Motor Vehicles and Equipment	47.9	46.1	45.3	47.1	49.0	49.2	49.0	46.3	48.1	49.0	47.4	48.8	48.9
Instruments and Related Products	40.7	40.7	40.6	42.1	40.1	40.4	41.4	41.5	39.8	40.3	39.8	41.0	41.0
Measuring and Controlling Devices	42.0	41.8	41.4	43.3	40.2	40.5	41.5	43.7	42.8	42.1	41.6	42.5	42.9
Nondurable Goods[c]	40.9	41.0	40.7	41.0	41.4	40.9	40.9	40.8	40.4	40.6	40.8	41.0	41.5
Food and Kindred Products	41.6	41.0	42.1	42.4	41.3	40.9	40.2	42.0	41.5	40.6	42.5	41.8	43.5
Apparel and Other Textile Products	39.4	40.3	39.3	39.4	39.3	39.5	39.2	40.0	38.4	39.6	38.8	38.9	39.7
Paper and Allied Products	41.7	42.5	41.8	41.7	42.1	41.1	40.3	41.5	41.2	42.8	41.1	41.9	42.5
Printing and Publishing	36.7	36.8	37.1	37.9	37.6	36.7	36.4	35.3	35.1	36.3	36.6	36.7	38.2
Chemicals and Allied Products	43.3	43.3	43.1	42.5	43.6	43.1	43.8	43.4	43.2	43.1	43.1	44.0	42.9
Rubber and Miscellaneous Plastics Products	42.9	43.1	42.2	42.6	43.3	43.1	43.8	42.8	43.1	42.3	42.7	42.8	42.7
Miscellaneous Plastics Products	43.2	42.9	42.3	42.8	44.2	43.1	44.0	43.4	44.3	43.0	43.0	42.5	42.9
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.9	41.0	40.4	40.5	40.4	40.6	40.5	41.1	41.8	41.5	41.1	41.5	40.9
Wholesale Trade	39.5	39.0	38.9	38.8	39.0	39.1	39.3	39.6	39.3	39.9	39.8	40.2	40.3
Retail Trade	27.8	27.3	27.0	27.1	27.4	27.3	28.2	28.6	28.5	28.2	27.9	27.8	28.5
General Merchandise Stores	27.9	26.6	26.3	26.8	27.7	27.6	27.9	27.6	28.3	27.8	27.8	28.7	30.8
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	31.6	31.3	31.0	31.2	31.5	31.3	31.6	32.2	32.0	31.9	31.6	31.6	31.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Depressed due to labor-management disputes during part of pay period. [e]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790 3-4 (1988)

Cleveland PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$508.65	$502.24	$498.07	$506.78	$509.39	$508.95	$512.90	$493.91	$498.19	$509.21	$512.00	$522.28	$532.36
Durable Goods[b]	547.35	539.53	533.92	543.35	545.23	548.58	553.95	526.69	535.67	549.13	551.15	563.08	570.12
Stone, Clay, and Glass Products	465.97	425.49	444.51	456.55	449.46	475.45	467.24	474.54	474.73	478.70	482.94	478.55	483.36
Primary Metal Industries	582.16	590.00	566.26	582.97	582.16	587.66	595.27	553.72	574.70	575.21	592.24	590.72	596.16
Iron and Steel Foundries	876.43	898.39	797.79	860.64	861.91	877.75	897.39	732.59	887.54	886.35	917.16	933.34	982.03
Fabricated Metal Products	553.75	554.92	550.73	534.80	544.72	557.29	571.05	528.90	537.79	549.76	552.86	573.22	588.99
Screw Machine Products, Bolts, etc.	543.06	522.47	519.02	530.31	535.68	532.09	562.12	517.63	533.57	556.06	550.34	566.41	589.36
Metal Forgings and Stampings	707.15	706.80	705.06	657.90	682.76	718.49	744.96	672.44	691.38	698.63	698.07	738.51	768.42
Industrial Machinery and Equipment	508.34	480.95	485.90	502.98	508.38	505.56	504.27	492.03	484.99	510.51	529.52	540.87	548.42
Metalworking Machinery	495.33	480.06	465.44	480.80	480.28	478.30	475.90	494.59	490.23	499.56	524.88	526.53	541.55
Electronic and Other Electric Equipment	416.83	412.98	429.43	431.43	406.14	405.96	419.67	414.06	409.25	418.08	412.59	413.47	425.29
Electrical Industrial Apparatus	428.24	399.90	447.55	446.31	416.66	413.70	429.78	436.56	428.36	431.64	427.39	417.78	446.16
Electric Lighting and Wiring Equipment	379.85	377.46	391.27	388.42	381.39	376.35	379.08	375.55	378.62	383.52	381.02	378.49	366.72
Transportation Equipment	746.87	712.54	694.79	730.08	762.87	762.30	768.85	719.50	749.06	774.65	747.40	761.93	767.67
Motor Vehicles and Equipment	828.19	780.47	756.51	807.77	855.54	848.70	851.62	791.27	835.50	869.26	824.76	845.70	859.17
Instruments and Related Products	381.77	379.73	380.02	395.74	370.52	374.10	385.02	393.01	372.93	380.43	371.73	389.50	391.55
Measuring and Controlling Devices	440.16	430.54	429.73	451.62	410.84	417.15	431.60	466.28	447.69	443.31	439.30	456.88	459.89
Nondurable Goods[c]	417.18	416.15	411.48	416.97	421.87	413.50	413.09	413.30	407.64	413.31	419.83	423.94	434.92
Food and Kindred Products	411.84	382.53	389.43	398.98	393.18	394.69	395.57	424.20	420.40	413.31	439.03	436.39	465.45
Apparel and Other Textile Products	353.81	363.51	354.88	353.81	350.16	349.97	348.88	356.00	342.14	352.84	348.81	354.38	365.64
Paper and Allied Products	476.21	477.70	464.40	467.46	478.68	463.61	452.97	472.27	471.33	499.48	478.40	488.14	499.80
Printing and Publishing	353.42	345.55	350.97	366.11	364.72	353.79	351.99	336.41	332.40	350.66	360.51	355.26	376.27
Chemicals and Allied Products	514.84	517.00	515.05	504.48	520.15	508.58	511.58	509.08	504.58	507.72	512.89	536.36	529.39
Rubber and Miscellaneous Plastics Products	384.38	384.45	373.05	378.29	384.07	385.31	392.89	383.92	387.04	378.16	387.72	390.34	386.01
Miscellaneous Plastics Products	392.26	389.10	377.32	383.49	396.47	385.75	396.00	392.77	405.35	390.44	396.46	394.40	398.97
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	588.55	583.02	571.26	570.65	569.64	577.74	576.32	591.02	612.79	608.81	600.06	612.13	594.28
Wholesale Trade	427.79	402.09	406.89	405.85	414.96	416.81	431.12	432.04	432.30	442.89	442.18	446.62	452.97
Retail Trade[d]	183.76	179.09	176.58	179.67	182.21	180.73	185.27	189.90	186.96	187.25	184.70	184.59	188.67
General Merchandise Stores	187.49	176.09	180.42	181.97	188.36	186.58	188.05	188.51	187.91	187.93	186.54	188.85	202.66
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	294.05	293.13	288.90	290.15	295.31	290.90	298.70	299.83	294.34	298.03	292.18	289.18	297.50
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	342.54	341.17	339.14	337.90	341.15	337.41	340.02	344.86	343.04	347.07	344.12	345.07	345.98

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-4 (1988)

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1979-1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	919.8	895.7	880.7	844.6	829.8	854.5	868.7	879.2	891.6
Goods-Producing Industries[b]	311.5	286.1	275.7	249.2	233.8	242.6	239.9	232.3	230.1
Construction	33.5	29.8	27.6	25.0	25.3	27.6	27.5	26.4	28.4
Special Trade Contractors	.....	.....	.....	.....	17.6	19.1	18.9	17.5	18.3
Manufacturing	276.3	254.9	246.8	223.0	207.3	213.8	211.2	204.9	200.6
Durable Goods[c]	204.7	186.5	179.8	158.7	143.7	148.4	146.1	140.6	136.4
Stone, Clay, and Glass Products	.....	.....	.....	.....	3.3	3.5	3.5	3.5	3.7
Primary Metal Industries	31.6	28.8	29.4	26.2	24.1	23.8	22.3	21.3	21.0
Iron and Steel Foundries	7.0	6.1	6.7	6.3	5.7	5.8	5.5	5.4	5.0
Fabricated Metal Products	45.6	40.1	38.6	33.7	31.2	33.3	33.3	32.5	32.1
Screw Machine Products, Bolts, etc.	7.3	6.3	5.9	4.9	4.3	4.8	4.8	4.7	4.8
Metal Forgings and Stampings	17.7	13.9	13.3	11.7	10.7	11.4	11.1	11.0	11.0
Industrial Machinery and Equipment	54.0	52.5	49.2	41.3	33.6	36.2	35.4	32.7	31.3
Electronic and Other Electric Equipment	.....	.....	.....	.....	.....	.....	.....	.....	.....
Electric Lighting and Wiring Equipment	.....	.....	.....	.....	5.7	5.8	5.8	5.7	5.3
Transportation Equipment	31.7	25.3	23.8	20.6	20.3	20.0	19.9	19.7	19.3
Motor Vehicles and Equipment	24.0	17.2	16.4	13.9	13.9	13.3	12.8	12.4	12.1
Instruments and Related Products	6.5	7.0	7.2	6.7	7.3	8.6	8.5	8.1	7.3
Nondurable Goods[d]	71.6	68.4	67.0	64.3	63.6	65.4	65.1	64.2	64.2
Food and Kindred Products	9.2	8.8	8.2	7.8	7.7	7.2	6.8	6.8	6.9
Apparel and Other Textile Products	6.1	5.7	5.7	5.3	4.9	5.1	4.8	4.4	3.8
Paper and Allied Products	5.3	5.2	5.0	4.9	4.9	5.5	5.4	5.4	5.8
Printing and Publishing	15.3	15.3	15.3	15.0	15.0	15.7	16.0	16.0	16.2
Chemicals and Allied Products	16.9	16.6	16.1	15.2	14.3	14.2	14.2	14.5	14.6
Rubber and Miscellaneous Plastics Products	13.1	11.0	10.9	10.4	11.0	12.1	12.0	12.0	11.9
Miscellaneous Plastics Products	.....	.....	.....	.....	5.5	6.2	6.4	6.7	6.9
Service-Producing Industries	608.4	609.5	605.0	595.4	596.0	611.8	628.8	646.9	661.5
Transportation and Public Utilities	47.8	45.9	44.8	43.0	40.9	41.6	41.1	41.4	41.5
Transportation	28.8	26.6	25.0	22.7	21.5	22.7	22.7	22.7	23.4
Trucking and Warehousing	.....	.....	.....	.....	10.1	10.8	11.3	11.5	11.9
Communications, Electric, Gas Services	18.9	19.3	19.9	20.2	19.4	18.9	18.5	18.7	18.1
Communications	.....	.....	.....	.....	12.7	12.0	11.0	10.8	10.5
Electric, Gas, and Sanitary Services	.....	.....	.....	.....	6.7	6.9	7.5	7.9	7.6
Wholesale Trade	65.5	64.1	63.0	60.8	59.1	61.5	63.0	62.1	61.1
Wholesale Trade-Durable Goods	.....	.....	.....	.....	41.6	43.3	44.2	43.3	42.5
Retail Trade	146.5	141.1	137.4	134.3	135.7	140.7	146.2	150.5	153.7
General Merchandise Stores	.....	.....	.....	.....	21.1	21.4	20.6	20.5	20.9

See footnotes at end of table.

Cleveland PMSA

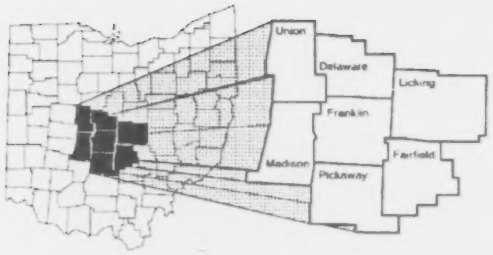
Nonagricultural Wage and Salary Employment, 1979–1987[a] (continued)
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Finance, Insurance, and Real Estate	47.9	48.2	48.2	48.4	48.4	48.5	49.5	51.8	54.9
Insurance	.....	.....	.....	.....	.....	.....	.....	.....	.....
Insurance Carriers	12.6	12.2	11.9	12.2	11.8	11.4	11.7	12.6	13.7
Services	182.5	187.5	191.8	192.2	195.7	204.3	213.2	224.8	233.5
Health Services	.....	.....	.....	.....	65.4	65.8	67.3	71.7	75.1
Hospitals	.....	.....	.....	.....	39.7	38.3	38.1	40.5	42.7
Educational Services	.....	.....	.....	.....	16.1	16.4	16.2	16.1	16.4
Social Services	.....	.....	.....	.....	9.2	9.8	10.1	11.1	12.5
Government	118.2	122.6	119.7	116.7	116.1	115.3	115.7	116.2	116.8
Federal Government	20.3	20.7	20.0	19.5	19.4	19.5	19.8	20.1	20.5
State Government	7.8	8.1	7.9	7.8	7.9	7.8	7.9	8.1	8.3
State Government Education[e]	.....	.....	.....	.....	2.8	2.8	2.8	2.9	3.1
Local Government	90.1	93.8	91.9	89.4	88.9	88.0	88.1	88.0	88.0
Local Government Education	45.0	47.9	45.9	43.8	42.9	43.0	42.8	42.6	43.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual 1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-4 (1979-1987)

Columbus Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Columbus metropolitan area increased 19,100 from 1988 to 730,300 in 1989. Total employment gained 19,400 over the year, while unemployment recorded a decrease of 300. The unemployment rate dropped from 4.9 percent in 1988 to 4.8 percent in 1989. (See table below.)

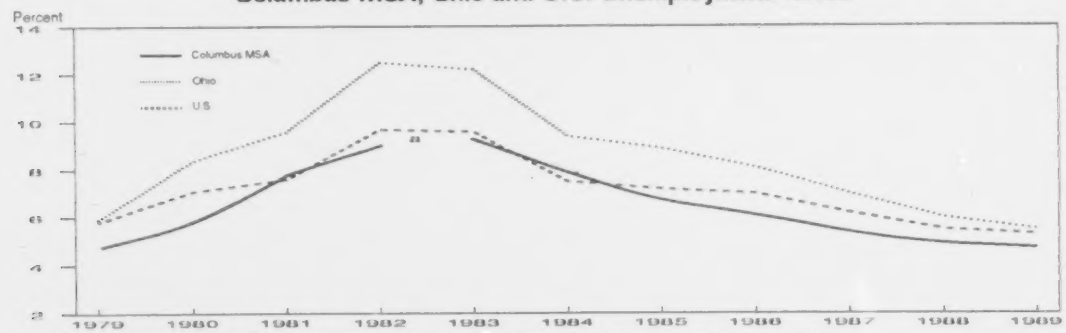
Nonagricultural wage and salary employment advanced 21,200 above the 1988 level to 701,700 in 1989, a growth rate of 3.1 percent. Service-producing industries, at 566,700, added 18,900 employees. Leading areas of expansion were services, especially business services and health services, and retail trade. Noteworthy gains were also reported in government, wholesale trade, and finance, insurance, and real estate. Employment in goods-producing industries increased 1.8 percent, or 2,400 jobs, to 135,000 mainly due to scattered improvements in manufacturing. Over-the-year growth in transportation equipment, rubber and miscellaneous plastics products, fabricated metal products, instruments and related products, food and kindred products, and printing and publishing outweighed reductions in industrial machinery and equipment and electronic and other electric equipment. Construction employment increased slightly above the year-ago level.

Columbus MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment								
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.			Goods-Producing Industries	Service-Producing Industries
543.0	517.1	25.8	4.8	5.9	5.8	1979	558.4	142.1	416.3
554.7	523.4	31.4	5.7	8.4	7.1	1980	560.2	135.2	425.1
562.4	519.1	43.3	7.7	9.6	7.6	1981	556.9	129.7	427.1
567.4	516.4	51.0	9.0	12.5	9.7	1982	544.0	118.3	425.7
647.7[c]	587.4[c]	60.3[c]	9.3[c]	12.2	9.6	1983	548.5	116.7	431.8
633.5	584.3	49.2	7.8	9.4	7.5	1984	576.4	125.1	451.3
649.4	605.6	43.8	6.7	8.9	7.2	1985	603.6	129.0	474.6
676.2	634.9	41.3	6.1	8.1	7.0	1986	630.7	130.7	500.0
694.9	657.2	37.7	5.4	7.0	6.2	1987	658.0	131.8	526.2
711.2	676.2	35.0	4.9	6.0	5.5	1988	680.5	132.6	547.8
730.3	695.6	34.7	4.8	5.5	5.3	1989	701.7	135.0	566.7

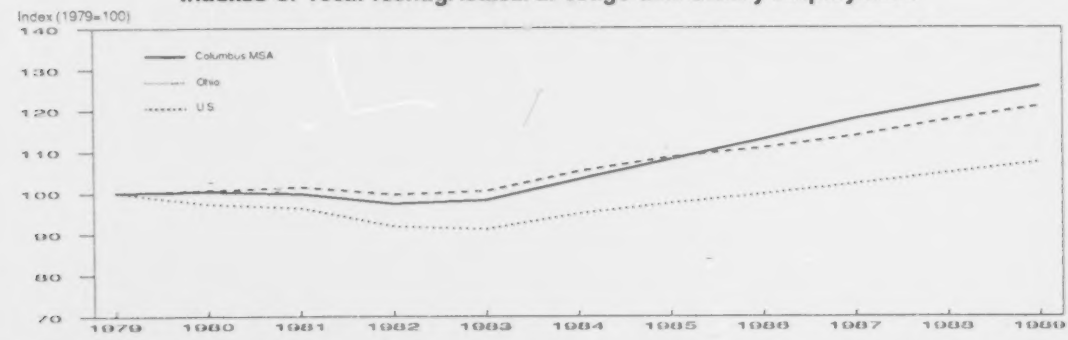
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

Columbus MSA, Ohio and U.S. Unemployment Rates

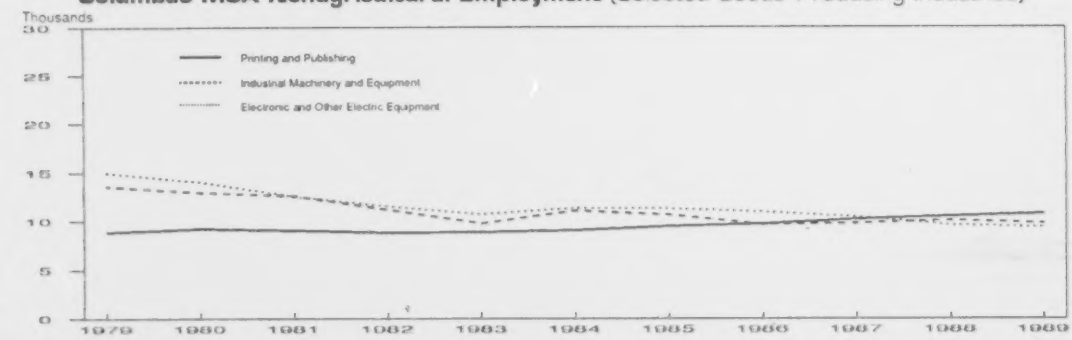


[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

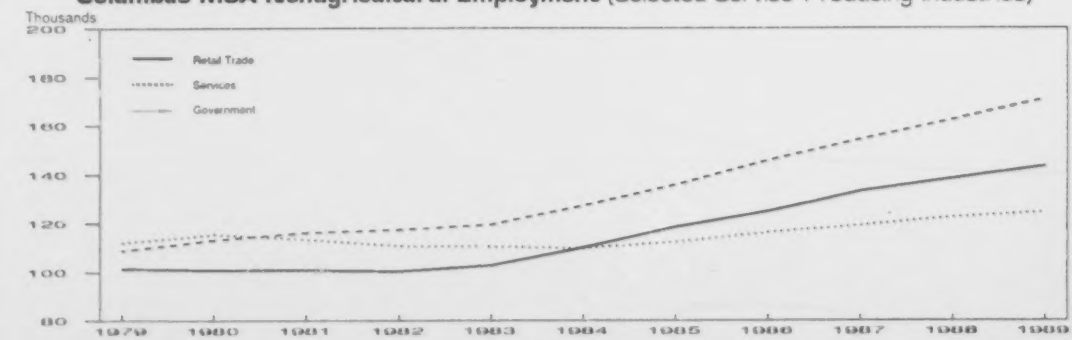
Indexes of Total Nonagricultural Wage and Salary Employment



Columbus MSA Nonagricultural Employment (Selected Goods-Producing Industries)



Columbus MSA Nonagricultural Employment (Selected Service-Producing Industries)



Columbus MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	701.7	682.7	687.1	692.8	695.7	701.6	706.7	699.0	700.7	706.2	712.9	716.6	718.6
Goods-Producing Industries[b]	135.0	130.7	130.7	132.0	132.9	134.5	136.4	137.4	137.6	138.4	137.6	137.0	135.4
Construction	29.4	26.4	26.1	27.2	28.3	29.3	30.6	31.4	31.6	31.4	31.2	30.3	29.3
Manufacturing	104.8	103.5	103.8	104.0	103.7	104.4	105.0	105.1	105.2	106.1	105.5	105.9	105.2
Durable Goods[c]	65.9	65.1	65.4	65.5	65.3	65.8	65.9	65.9	66.0	66.8	66.1	66.6	66.0
Stone, Clay, and Glass Products	9.9	9.7	9.8	9.9	9.7	9.7	9.8	9.7	10.0	10.2	10.0	10.1	9.8
Glass and Glassware, Pressed or Blown	3.5	3.4	3.4	3.5	3.5	3.4	3.4	3.3	3.5	3.5	3.5	3.6	3.5
Fabricated Metal Products	9.8	9.8	9.9	9.8	9.8	9.8	9.7	9.5	9.7	10.0	9.9	10.0	10.0
Industrial Machinery and Equipment	9.8	9.9	9.8	9.9	9.8	9.8	9.9	10.0	9.7	9.8	9.3	9.6	9.5
Electronic and Other Electric Equipment	9.3	9.3	9.2	9.3	9.2	9.3	9.3	9.4	9.4	9.5	9.4	9.4	9.2
Transportation Equipment	13.7	13.1	13.4	13.6	13.7	13.8	13.8	13.8	13.8	13.9	14.0	14.0	14.0
Motor Vehicles and Equipment	13.0	12.2	12.6	12.8	12.9	13.0	13.2	13.2	13.1	13.2	13.4	13.4	13.3
Instruments and Related Products	4.7	4.6	4.7	4.6	4.7	4.7	4.7	4.8	4.8	4.8	4.9	4.8	4.8
Nondurable Goods[d]	38.9	38.3	38.4	38.5	38.4	38.6	39.1	39.2	39.1	39.3	39.4	39.3	39.2
Food and Kindred Products	10.7	10.4	10.4	10.5	10.5	10.5	10.7	10.8	10.9	10.9	10.9	10.7	10.7
Dairy Products	3.9	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	3.9	4.0
Printing and Publishing	10.8	10.7	10.7	10.7	10.6	10.7	10.7	10.7	10.7	10.9	10.9	10.9	11.0
Chemicals and Allied Products	6.9	6.8	6.8	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.8	6.8	6.8
Rubber and Miscellaneous Plastics Products	6.1	5.9	5.9	5.9	6.0	6.1	6.2	6.1	6.2	6.2	6.3	6.4	6.3
Service-Producing Industries	566.7	552.0	556.4	560.9	562.8	567.2	570.3	561.6	563.1	567.7	575.4	579.6	583.2
Transportation and Public Utilities	30.8	30.0	30.1	30.1	30.4	30.6	30.9	30.9	31.1	31.1	31.2	31.3	31.5
Transportation	18.5	17.8	17.9	17.9	18.0	18.3	18.4	18.5	18.7	18.8	18.9	19.0	19.2
Trucking and Warehousing	12.9	12.1	12.4	12.4	12.5	12.8	12.8	12.9	13.1	13.1	13.3	13.5	13.7
Communications, Electric, Gas Services	12.3	12.2	12.2	12.2	12.4	12.3	12.4	12.4	12.4	12.3	12.3	12.3	12.3
Communications	7.7	7.6	7.6	7.7	7.8	7.7	7.8	7.8	7.8	7.7	7.8	7.7	7.7
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Wholesale Trade	37.0	36.3	36.5	36.8	36.6	36.8	37.2	37.3	37.1	37.2	37.4	37.4	37.5
Wholesale Trade-Durable Goods	24.0	23.4	23.7	23.8	23.8	23.9	24.1	24.2	24.0	24.1	24.1	24.2	24.2
Motor Vehicles, Parts, and Supplies	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1
Machinery, Equipment, and Supplies	5.4	5.1	5.3	5.3	5.3	5.4	5.5	5.5	5.4	5.5	5.4	5.5	5.4
Wholesale Trade-Nondurable Goods	13.0	12.8	12.8	13.0	12.8	12.9	13.1	13.1	13.1	13.2	13.3	13.3	13.3
Retail Trade	143.4	138.0	138.3	139.9	140.2	142.7	143.2	142.9	144.1	145.0	146.2	148.9	151.4
General Merchandise Stores	21.0	19.8	20.3	20.4	20.4	20.4	20.3	20.4	20.8	21.1	21.4	22.7	23.7
Food Stores	16.5	16.0	16.1	16.3	16.2	16.2	16.3	16.4	16.4	16.5	16.7	17.1	17.3
Automotive Dealers and Service Stations	14.1	13.7	13.7	13.8	13.9	14.2	14.2	14.3	14.3	14.4	14.3	14.3	14.3

See footnotes at end of table.

Columbus MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Finance, Insurance, and Real Estate	59.8	58.8	59.2	59.6	59.0	59.4	60.1	60.5	60.7	60.4	59.8	60.0	60.0
Finance	23.6	23.1	23.2	23.4	23.2	23.4	23.7	23.8	23.9	23.7	23.6	23.8	23.8
Depository Institutions	14.3	14.1	14.0	14.3	14.1	14.2	14.4	14.6	14.6	14.5	14.3	14.3	14.3
Commercial Banks	11.8	11.4	11.5	11.8	11.6	11.6	11.9	12.0	12.0	12.0	11.9	11.9	12.0
Insurance	27.6	27.4	27.5	27.6	27.4	27.4	27.6	27.8	27.8	27.7	27.5	27.6	27.5
Insurance Carriers	23.6	23.4	23.4	23.5	23.4	23.4	23.6	23.7	23.8	23.7	23.5	23.7	23.6
Services	170.9	163.5	165.9	167.6	169.6	170.5	171.7	172.2	173.0	174.4	174.5	174.4	173.5
Business Services	35.9	33.5	33.7	34.5	35.1	35.6	35.7	36.3	36.7	36.9	37.6	37.5	37.6
Personnel Supply Services	12.6	10.9	11.0	11.6	12.3	12.6	12.5	12.8	13.1	13.1	13.6	13.7	13.7
Health Services	44.4	43.2	43.4	43.7	43.7	43.9	44.5	44.7	45.1	45.0	45.0	45.3	45.4
Nursing and Personal Care Facilities	8.0	7.8	8.0	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2
Hospitals	20.6	20.1	20.1	20.2	20.3	20.3	20.6	20.8	21.0	20.8	20.8	20.9	21.0
Legal Services	4.4	4.3	4.4	4.4	4.3	4.4	4.5	4.5	4.5	4.4	4.5	4.5	4.5
Educational Services	7.3	7.9	8.7	8.0	7.9	7.1	6.3	5.6	5.4	6.9	7.8	8.1	7.9
Social Services	12.4	11.9	12.1	12.2	12.1	12.1	12.3	12.4	12.5	12.6	12.7	12.9	13.0
Engineering and Management Services	17.7	17.7	17.8	17.8	17.6	17.5	17.7	17.7	17.8	17.6	17.7	17.7	17.8
Engineering and Architectural Services	4.4	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.4	4.4	4.5
Accounting, Auditing, and Bookkeeping	4.1	4.2	4.3	4.2	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.1
Research and Testing Services	6.1	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.1	6.1	6.1
Government	124.8	125.4	126.4	126.9	127.0	127.1	127.2	117.9	117.1	119.6	126.2	127.5	129.3
Federal Government	16.1	15.8	15.7	15.8	16.0	16.1	16.2	16.2	16.3	16.1	16.2	16.1	16.2
State Government	54.5	54.6	55.4	55.7	55.6	55.7	56.6	51.2	50.7	50.1	55.1	55.9	57.3
State Government Education[e]	22.4	23.2	23.8	24.0	23.7	23.8	24.0	18.2	18.1	17.8	23.1	23.7	24.8
Local Government	54.3	55.0	55.3	55.5	55.4	55.3	54.4	50.5	50.1	53.4	54.9	55.6	55.8
Local Government Education	32.4	33.4	33.7	34.0	33.7	33.4	32.0	27.9	27.7	31.8	33.2	33.9	33.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-5 (1989)

Columbus MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.01	$11.70	$11.83	$11.87	$11.89	$11.93	$11.95	$12.03	$11.99	$12.09	$12.22	$12.26	$12.31
Durable Goods[b]	12.27	11.97	12.08	12.11	12.13	12.17	12.20	12.30	12.26	12.34	12.49	12.55	12.63
Stone, Clay, and Glass Products	11.93	11.64	11.54	11.77	11.90	11.92	12.19	12.15	11.99	11.92	12.19	12.14	11.79
Glass and Glassware, Pressed or Blown	10.88	10.83	10.68	10.76	10.79	10.82	11.13	10.94	10.75	10.79	11.14	10.99	10.96
Fabricated Metal Products	12.47	12.46	12.45	12.31	12.42	12.33	12.26	12.60	12.49	12.63	12.58	12.50	12.56
Industrial Machinery and Equipment	11.65	11.55	11.45	11.43	11.46	11.47	11.69	11.73	11.60	11.73	11.81	11.86	11.99
Electronic and Other Electric Equipment	11.72	11.49	11.48	11.45	11.45	11.56	11.41	11.59	11.71	12.04	12.06	12.11	12.25
Transportation Equipment	14.31	13.84	14.24	14.34	14.16	14.16	14.18	14.19	14.26	14.30	14.57	14.55	14.80
Motor Vehicles and Equipment	14.40	13.99	14.40	14.51	14.32	14.30	14.26	14.25	14.31	14.34	14.61	14.58	14.81
Instruments and Related Products	10.44	10.64	10.57	10.59	10.51	10.63	10.54	10.53	10.46	10.35	10.14	10.27	10.16
Nondurable Goods[c]	11.47	11.18	11.32	11.36	11.39	11.43	11.44	11.46	11.46	11.58	11.63	11.64	11.68
Food and Kindred Products	10.15	10.00	9.95	10.01	10.18	10.17	10.15	10.17	10.08	10.20	10.19	10.26	10.37
Dairy Products	13.50	12.62	13.20	12.92	13.27	13.38	13.47	13.40	13.66	14.17	13.66	14.14	14.27
Printing and Publishing	13.68	13.48	13.60	13.56	13.60	13.67	13.63	13.68	13.70	13.70	13.83	13.80	13.85
Chemicals and Allied Products	14.31	13.60	13.97	14.15	14.15	14.16	14.10	14.07	14.22	14.54	14.76	14.88	15.02
Rubber and Miscellaneous Plastics Products	9.02	8.88	8.87	8.85	8.88	8.90	8.93	9.00	9.02	9.19	9.29	9.30	9.09
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	12.88	12.78	12.68	12.76	12.71	12.95	12.77	12.92	12.96	12.95	12.92	12.82	13.20
Communications, Electric, Gas Services	14.49	14.04	13.99	14.10	14.12	14.20	14.40	14.41	14.64	15.01	15.09	14.66	15.05
Communications	14.29	13.92	13.85	13.86	13.95	14.08	14.40	14.40	14.62	14.65	14.60	14.66	14.49
Electric, Gas, and Sanitary Services	14.79	14.24	14.22	14.48	14.39	14.40	14.39	14.42	14.67	15.51	15.75	14.67	15.81
Wholesale Trade	10.16	9.49	10.14	10.15	10.15	10.18	10.15	10.19	10.26	10.23	10.28	10.32	10.38
Retail Trade[d]	6.46	6.38	6.41	6.44	6.39	6.43	6.41	6.42	6.42	6.51	6.55	6.56	6.63
General Merchandise Stores	6.87	6.76	6.81	6.78	6.82	6.81	6.80	6.90	6.91	6.99	7.05	6.87	6.93
Food Stores	6.98	6.90	6.88	6.91	6.91	6.99	7.02	6.99	7.00	7.05	7.04	7.05	7.04
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	6.73	6.52	6.56	6.51	6.59	6.62	6.66	6.75	6.74	6.84	6.91	6.93	7.03
Hospitals	11.05	10.61	10.75	10.73	10.80	10.87	10.96	11.00	11.06	11.30	11.40	11.43	11.56
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	12.02	11.65	11.72	12.14	12.00	11.97	11.82	11.67	11.79	12.29	12.34	12.40	12.42

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [e]Depressed due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-5 (1989)

Columbus MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	41.7	41.5	41.5	41.6	41.4	41.4	41.3	41.3	41.4	41.7	41.9	42.4	42.7
Durable Goods[b]	41.9	41.5	41.7	41.9	41.7	41.6	41.5	41.7	41.7	41.7	42.0	42.5	42.8
Stone, Clay, and Glass Products	42.9	40.6	41.6	43.3	43.5	42.8	44.4	44.6	43.9	42.9	43.1	42.8	41.1
Glass and Glassware, Pressed or Blown	41.6	39.5	41.6	41.8	41.6	41.3	41.7	41.8	41.6	42.2	42.3	42.2	41.3
Fabricated Metal Products	40.7	41.1	40.1	40.3	40.7	40.6	40.7	40.3	40.0	40.5	40.4	41.2	41.9
Industrial Machinery and Equipment	41.0	41.2	39.9	40.0	40.2	40.8	41.0	41.1	40.8	41.5	41.2	42.0	42.2
Electronic and Other Electric Equipment	40.9	40.2	39.3	40.3	40.0	40.2	38.5	39.5	41.9	42.9	42.4	42.3	43.3
Transportation Equipment	43.4	42.9	45.1	43.7	43.1	42.4	41.6	42.4	41.9	42.0	44.6	44.6	45.5
Motor Vehicles and Equipment	43.4	42.9	45.2	43.7	43.1	42.4	41.6	42.5	41.9	42.0	44.7	44.7	45.6
Instruments and Related Products	40.0	39.7	40.1	40.8	39.9	40.6	40.9	39.6	40.0	39.2	39.7	40.1	39.7
Nondurable Goods[c]	41.3	41.5	41.0	40.8	41.0	40.8	40.8	40.7	40.9	41.6	41.7	42.2	42.4
Food and Kindred Products	41.4	40.8	41.2	41.9	42.0	41.2	41.5	41.9	40.3	41.4	40.8	41.7	42.7
Dairy Products	42.9	42.2	42.8	40.2	43.2	41.4	43.3	42.2	42.2	44.8	41.7	45.1	46.4
Printing and Publishing	39.6	39.4	39.1	38.8	39.1	39.5	39.0	38.4	39.2	39.5	40.3	40.4	41.8
Chemicals and Allied Products	43.3	44.0	44.3	43.0	42.4	42.1	42.3	41.6	41.9	43.5	44.3	45.3	45.1
Rubber and Miscellaneous Plastics Products	41.9	42.7	41.0	40.3	41.6	41.1	41.4	41.5	42.3	43.0	43.1	43.4	41.5
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation	....	....	....	....	....	....	....	....	....	....	....	....	....
Trucking and Warehousing	30.1	28.1	29.5	30.3	29.8	31.7	30.0	29.6	29.3	29.7	29.3	29.2	34.2
Communications, Electric, Gas Services	41.8	40.3	40.3	40.6	40.3	40.8	41.4	41.5	42.2	44.3	43.7	41.6	44.1
Communications	40.6	39.7	39.4	39.4	39.9	40.3	41.4	41.5	42.1	41.9	40.8	41.0	40.3
Electric, Gas, and Sanitary Services	43.6	41.3	41.7	42.5	41.0	41.5	41.5	41.5	42.3	48.3	48.4	42.5	50.7
Wholesale Trade	38.2	37.7	38.0	38.2	38.5	38.3	37.9	38.2	38.1	38.2	38.5	38.5	38.4
Retail Trade	28.4	28.2	28.3	28.4	28.4	28.2	28.9	28.7	28.8	28.4	27.9	27.9	28.8
General Merchandise Stores	28.8	28.5	28.3	28.4	28.3	28.4	28.7	29.1	29.0	29.0	28.8	28.1	30.7
Food Stores	27.0	26.2	25.8	26.3	26.4	26.5	28.3	28.1	27.9	27.6	26.8	27.1	27.5
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Nursing and Personal Care Facilities	32.3	32.1	32.0	32.2	31.5	32.0	32.3	32.8	32.6	32.7	32.6	32.8	32.1
Hospitals	34.1	34.0	33.7	33.7	33.6	33.8	34.1	34.4	34.2	34.6	34.4	34.5	34.4
Engineering and Management Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Engineering and Architectural Services	39.1	38.8	39.5	39.7	38.2	38.8	38.7	38.8	39.5	39.9	38.9	39.4	39.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Depressed due to labor-management disputes during part of pay period. [e]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-5 (1989)

Columbus MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$500.82	$485.55	$490.95	$493.79	$492.25	$493.90	$493.54	$496.84	$496.39	$504.15	$512.02	$519.82	$525.64
Durable Goods[b]	514.11	496.76	503.74	507.41	505.82	506.27	506.30	512.91	511.24	514.58	524.58	533.38	540.56
Stone, Clay, and Glass Products	511.80	472.58	480.06	509.64	517.65	510.18	541.24	541.89	526.36	511.37	525.39	519.59	484.57
Glass and Glassware, Pressed or Blown	452.61	427.79	444.29	449.77	448.86	446.87	464.12	457.29	447.20	455.34	471.22	463.78	452.65
Fabricated Metal Products	507.53	512.11	499.25	496.09	505.49	500.60	498.98	507.78	499.60	511.52	508.23	515.00	526.26
Industrial Machinery and Equipment	477.65	475.86	456.86	457.20	460.69	467.98	479.29	482.10	473.28	486.80	486.57	498.12	505.98
Electronic and Other Electric Equipment	479.35	461.90	451.16	461.44	458.00	464.71	439.29	457.81	490.65	516.52	511.34	512.25	530.43
Transportation Equipment	621.05	593.74	642.22	626.66	610.30	600.38	589.89	601.66	597.49	600.60	649.82	648.93	673.40
Motor Vehicles and Equipment	624.96	600.17	650.88	634.09	617.19	606.32	593.22	605.63	599.59	602.28	653.07	651.73	675.34
Instruments and Related Products	417.60	422.41	423.86	432.07	419.35	431.58	431.09	416.99	418.40	405.72	402.56	411.83	403.35
Nondurable Goods[c]	473.71	463.97	464.12	463.49	466.99	466.34	466.75	466.42	468.71	481.73	484.97	491.21	495.23
Food and Kindred Products	420.21	408.00	409.94	419.42	427.56	419.00	421.23	426.12	406.22	422.28	415.75	427.84	442.80
Dairy Products	579.15	532.56	564.96	519.38	573.26	553.93	583.25	565.48	576.45	634.82	569.62	637.71	662.13
Printing and Publishing	541.73	531.11	531.76	526.13	531.76	539.97	531.57	525.31	537.04	541.15	557.35	557.52	578.93
Chemicals and Allied Products	619.62	598.40	618.87	608.45	599.96	596.14	596.43	585.31	595.82	632.49	653.87	674.06	677.40
Rubber and Miscellaneous Plastics Products	377.94	379.18	363.67	356.66	369.41	365.79	369.70	373.50	381.55	395.17	400.40	403.62	377.24
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	387.69	359.12	374.06	386.63	378.76	410.52	383.10	382.43	379.73	384.62	378.56	374.34	451.44
Communications, Electric, Gas Services	605.68	565.81	563.80	572.46	569.04	579.36	596.16	598.02	617.81	664.94	659.43	609.86	663.71
Communications	580.17	552.62	545.69	546.08	556.61	567.42	596.16	597.60	615.50	613.84	595.68	601.06	583.95
Electric, Gas, and Sanitary Services	644.84	588.11	592.97	615.40	589.99	597.60	597.19	598.43	620.54	749.13	762.30	623.48	801.57
Wholesale Trade	388.11	357.77	385.32	387.73	390.78	389.89	384.69	389.26	390.91	390.79	395.78	397.32	398.59
Retail Trade[d]	183.46	179.92	181.40	182.90	181.48	181.33	185.25	184.25	184.90	184.88	182.75	183.02	190.94
General Merchandise Stores	197.86	192.66	192.72	192.55	193.01	193.40	195.16	200.79	200.39	202.71	203.04	193.05	212.75
Food Stores	188.46	180.78	177.50	181.73	182.42	185.24	198.67	196.42	195.30	194.58	188.67	191.06	193.60
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	419.14	407.90	409.63	411.50	413.79	413.41	414.48	419.58	414.95	425.21	428.50	434.50	435.91
Depository Institutions	277.80	269.79	270.14	271.99	275.17	276.10	273.09	284.53	275.48	284.73	281.67	286.69	284.10
Commercial Banks	276.15	269.66	271.06	272.30	274.79	274.51	271.88	274.10	274.00	282.75	279.65	284.85	283.96
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	217.38	209.29	209.92	209.62	207.59	211.84	215.12	221.40	219.72	223.67	225.27	227.30	225.66
Hospitals	376.81	360.74	362.28	361.60	362.88	367.41	373.74	378.40	378.75	390.98	392.16	394.34	397.66
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	469.98	452.02	462.94	481.96	458.40	464.44	457.43	452.80	465.71	490.37	480.03	488.56	486.86

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [r]Depressed due to labor-management disputes during part of pay period. [s]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-5 (1989)

Columbus MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	680.5	658.4	659.2	664.1	674.4	680.2	687.3	679.5	680.4	688.0	694.4	698.4	701.3
Goods-Producing Industries[b]	132.6	127.5	126.8	127.2	130.4	132.1	134.3	135.6	135.8	136.6	135.8	135.4	134.3
Construction	29.2	24.5	24.4	25.4	28.0	29.3	30.9	31.8	32.0	31.9	31.4	30.9	29.9
Manufacturing	102.6	102.2	101.5	101.0	101.5	101.9	102.5	102.9	102.9	103.8	103.5	103.7	103.5
Durable Goods[c]	64.7	65.2	64.6	63.8	63.9	64.1	64.3	64.8	64.7	65.4	65.2	65.2	65.0
Stone, Clay, and Glass Products	10.0	9.8	10.0	9.9	10.1	10.2	10.2	10.2	10.0	9.9	9.8	9.8	9.7
Glass and Glassware, Pressed or Blown	3.3	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.2	3.3	3.3
Fabricated Metal Products	9.5	9.2	9.1	9.0	9.2	9.3	9.5	9.6	9.6	9.9	9.7	9.7	9.9
Industrial Machinery and Equipment	10.1	10.3	10.3	10.2	10.1	10.1	10.1	10.0	10.0	10.0	10.0	10.0	9.9
Electronic and Other Electric Equipment	9.6	10.2	10.1	10.1	9.8	9.8	9.5	9.5	9.4	9.4	9.3	9.2	9.1
Transportation Equipment	12.8	13.2	12.6	12.0	12.4	12.3	12.5	12.7	12.9	13.2	13.3	13.4	13.3
Motor Vehicles and Equipment	10.7	9.7	9.8	9.9	10.2	10.3	10.6	10.8	11.0	11.4	11.6	11.8	11.8
Instruments and Related Products	4.4	4.2	4.2	4.2	4.2	4.3	4.3	4.5	4.5	4.5	4.4	4.5	4.6
Nondurable Goods[d]	37.9	37.0	37.0	37.2	37.6	37.8	38.2	38.1	38.2	38.4	38.4	38.5	38.6
Food and Kindred Products	10.4	10.3	10.1	10.2	10.2	10.2	10.3	10.6	10.6	10.6	10.6	10.5	10.5
Dairy Products	3.8	3.7	3.6	3.8	3.7	3.7	3.8	3.9	3.8	3.8	3.7	3.7	3.7
Printing and Publishing	10.5	10.3	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.7	10.6	10.7	10.7
Chemicals and Allied Products	6.8	6.7	6.7	6.7	6.8	6.8	6.9	6.9	6.9	6.8	6.9	6.9	6.9
Rubber and Miscellaneous Plastics Products	5.6	5.2	5.3	5.4	5.6	5.7	5.9	5.5	5.6	5.6	5.7	5.8	5.8
Service-Producing Industries	547.8	530.9	532.4	536.9	544.0	548.1	553.0	543.9	544.6	551.4	558.7	563.0	567.0
Transportation and Public Utilities	30.0	28.7	28.9	28.9	29.2	29.5	29.9	30.9	31.1	30.9	30.6	30.6	30.7
Transportation	17.8	16.8	17.0	17.0	17.2	17.4	17.8	18.5	18.7	18.5	18.2	18.3	18.4
Trucking and Warehousing	12.3	11.8	11.9	11.9	11.9	12.0	12.2	12.8	12.9	12.6	12.4	12.6	12.7
Communications, Electric, Gas Services	12.2	11.9	11.9	11.9	12.0	12.1	12.1	12.4	12.4	12.4	12.4	12.3	12.3
Communications	7.6	7.5	7.4	7.5	7.4	7.4	7.5	7.7	7.7	7.7	7.7	7.7	7.7
Electric, Gas, and Sanitary Services	4.6	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6
Wholesale Trade	35.5	34.0	34.1	34.2	34.8	35.1	35.5	35.9	36.1	36.2	36.7	36.9	37.0
Wholesale Trade-Durable Goods	22.9	22.0	22.0	22.1	22.6	22.8	23.0	23.2	23.2	23.3	23.5	23.6	23.7
Motor Vehicles, Parts, and Supplies	3.2	3.1	3.1	3.1	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Machinery, Equipment, and Supplies	4.9	4.6	4.6	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.1
Wholesale Trade-Nondurable Goods	12.6	12.0	12.0	12.1	12.3	12.3	12.5	12.7	12.9	13.0	13.2	13.3	13.3
Retail Trade	138.5	134.4	132.8	134.2	136.7	138.5	139.4	138.0	139.5	139.8	140.2	142.8	145.2
General Merchandise Stores	20.4	20.8	20.0	20.1	20.0	19.7	19.6	20.1	20.6	20.6	20.4	21.4	22.1
Food Stores	16.8	17.0	16.9	16.7	17.1	17.2	17.4	16.5	16.5	16.4	16.3	16.4	16.8
Automotive Dealers and Service Stations	13.6	13.0	13.0	13.2	13.6	13.5	13.8	14.0	14.0	14.0	13.8	13.8	13.7

See footnotes at end of table.

Columbus MSA

Nonagricultural Wage and Salary Employment, 1988[a] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Finance, Insurance, and Real Estate	58.7	56.8	56.9	57.5	58.4	58.8	59.5	59.7	59.7	59.4	58.8	59.1	59.3
Finance	23.4	22.6	22.7	23.2	23.4	23.5	23.8	23.5	23.5	23.6	23.5	23.7	24.0
Depository Institutions	14.5	14.0	14.1	14.4	14.5	14.6	14.9	14.5	14.5	14.5	14.4	14.5	14.6
Commercial Banks	11.5	10.9	11.0	11.3	11.6	11.6	11.9	11.6	11.6	11.7	11.6	11.7	11.9
Insurance	27.1	26.8	26.9	27.0	27.3	27.3	27.4	27.3	27.3	27.0	26.9	26.9	27.0
Insurance Carriers	23.2	23.0	23.0	23.1	23.4	23.4	23.5	23.3	23.3	23.1	22.9	22.9	23.0
Services	162.5	154.3	156.2	157.9	160.7	161.6	163.4	164.1	163.8	166.6	167.1	167.4	166.8
Business Services	32.0	29.8	29.9	30.2	30.5	30.9	31.9	32.6	32.7	33.2	34.0	34.3	34.3
Personnel Supply Services	11.0	10.0	9.9	10.1	10.3	10.6	10.9	11.5	11.4	11.5	11.9	12.1	12.1
Health Services	42.0	40.6	40.6	40.8	41.1	41.3	41.6	42.3	42.6	42.9	43.3	43.4	43.5
Nursing and Personal Care Facilities	8.2	8.2	8.1	8.1	8.2	8.2	8.2	8.2	8.3	8.3	8.1	8.1	8.0
Hospitals	19.3	18.8	18.8	18.9	18.8	18.9	19.0	19.3	19.4	19.6	19.9	20.0	20.1
Legal Services	4.3	4.2	4.2	4.3	4.2	4.3	4.4	4.4	4.4	4.3	4.3	4.4	4.4
Educational Services	8.1	8.2	9.0	9.0	9.0	8.2	7.2	6.6	6.1	8.0	8.5	8.8	8.4
Social Services	11.9	11.5	11.6	11.7	11.6	11.7	11.6	11.9	12.1	12.2	12.2	12.3	12.4
Engineering and Management Services	17.4	17.0	17.1	17.3	17.3	17.3	17.5	17.4	17.4	17.4	17.6	17.6	17.8
Engineering and Architectural Services	4.1	4.0	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3
Accounting, Auditing, and Bookkeeping	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.9	3.9	3.9	4.0
Research and Testing Services	6.4	6.3	6.3	6.3	6.3	6.3	6.5	6.5	6.4	6.4	6.4	6.4	6.4
Government	122.7	122.7	123.5	124.1	124.2	124.7	125.3	115.3	114.5	118.5	125.3	126.2	128.0
Federal Government	15.4	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.2	15.4	15.6	15.8
State Government	53.9	54.3	54.6	55.0	54.9	55.0	55.9	50.4	50.0	49.3	54.7	55.4	56.8
State Government Education[e]	22.6	23.4	23.9	24.1	23.9	23.9	24.3	18.5	18.4	18.0	23.5	24.1	25.1
Local Government	53.4	53.0	53.6	53.8	53.9	54.3	54.0	49.5	49.1	54.0	55.2	55.1	55.4
Local Government Education	31.8	32.1	32.7	33.0	32.8	32.9	32.0	27.2	27.0	32.3	33.3	33.3	33.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-5 (1988)

Columbus MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.55	$11.30	$11.43	$11.47	$11.55	$11.58	$11.55	$11.52	$11.54	$11.61	$11.64	$11.66	$11.74
Durable Goods[b]	11.86	11.50	11.70	11.76	11.88	11.95	11.91	11.88	11.86	11.94	11.97	11.96	12.03
Stone, Clay, and Glass Products	11.72	11.63	11.55	11.76	11.68	11.66	11.83	11.88	11.86	11.75	11.63	11.61	11.78
Glass and Glassware, Pressed or Blown	10.85	11.13	10.89	10.93	10.84	10.67	10.78	10.98	10.73	10.95	10.89	10.71	10.70
Fabricated Metal Products	12.48	12.23	12.30	12.27	12.66	12.69	12.67	12.49	12.36	12.40	12.48	12.59	12.62
Industrial Machinery and Equipment	11.23	11.02	11.03	11.02	11.10	11.14	11.12	11.39	11.11	11.45	11.24	11.37	11.75
Electronic and Other Electric Equipment	11.24	11.05	11.10	11.20	11.32	11.39	11.29	11.20	11.24	11.21	11.21	11.27	11.39
Transportation Equipment	13.84	13.20	13.85	13.88	13.99	13.97	13.76	13.68	13.88	13.92	14.11	13.85	13.93
Motor Vehicles and Equipment	13.93	13.19	13.80	13.93	14.07	14.09	13.87	13.76	13.98	14.00	14.32	14.04	14.03
Instruments and Related Products	10.46	10.26	10.37	10.37	10.39	10.40	10.35	10.43	10.42	10.53	10.57	10.74	10.68
Nondurable Goods[c]	11.04	11.00	10.99	11.04	11.06	11.03	10.99	10.94	11.01	11.04	11.04	11.09	11.17
Food and Kindred Products	10.10	10.15	10.18	10.23	10.18	10.15	10.10	10.06	10.25	9.97	9.94	10.05	9.98
Dairy Products	12.45	12.63	12.92	12.64	12.38	12.38	12.35	12.24	12.27	12.05	12.19	12.81	12.54
Printing and Publishing	13.05	12.63	12.67	12.72	12.88	12.99	13.01	13.05	13.09	13.23	13.29	13.44	13.51
Chemicals and Allied Products	13.21	12.97	12.97	13.22	13.19	13.11	12.99	12.83	12.96	13.29	13.56	13.69	13.70
Rubber and Miscellaneous Plastics Products	8.57	8.37	8.36	8.36	8.40	8.55	8.63	8.62	8.65	8.64	8.82	8.67	8.76
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.18	13.98	13.97	14.21	14.26	14.24	14.19	14.24	14.36	14.29	14.18	14.21	14.01
Communications	14.05	13.97	13.97	14.03	14.01	13.94	13.93	14.02	14.34	14.22	14.02	14.19	13.93
Electric, Gas, and Sanitary Services	14.39	14.00	13.96	14.48	14.63	14.69	14.59	14.59	14.38	14.40	14.45	14.25	14.15
Wholesale Trade	9.67	9.46	9.56	9.49	9.54	9.55	9.60	9.69	9.63	9.80	9.92	9.85	9.94
Retail Trade[d]	6.27	6.27	6.21	6.29	6.23	6.28	6.23	6.26	6.18	6.23	6.27	6.34	6.38
General Merchandise Stores	6.60	6.64	6.34	6.53	6.49	6.54	6.53	6.58	6.57	6.77	6.74	6.75	6.71
Food Stores	6.75	6.81	6.85	6.83	6.80	6.80	6.73	6.62	6.63	6.54	6.72	6.86	6.78
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.05	9.79	9.77	9.82	9.84	9.93	9.87	10.13	10.02	10.27	10.24	10.40	10.45

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [r]Depressed due to labor-management disputes during part of pay period. [p]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-5 (1988)

Columbus MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	41.5	41.4	41.7	41.3	41.7	41.4	41.5	41.2	40.8	41.4	41.7	41.9	41.9
Durable Goods[b]	41.6	41.4	42.2	41.4	41.9	41.4	41.7	41.2	40.8	41.7	41.8	41.7	41.8
Stone, Clay, and Glass Products	40.6	39.9	40.4	40.8	40.7	40.4	41.0	40.4	40.1	41.1	40.6	41.6	39.9
Glass and Glassware, Pressed or Blown	39.8	39.7	39.2	39.7	39.9	39.1	39.1	39.6	39.3	42.1	40.5	41.2	38.7
Fabricated Metal Products	41.1	40.7	40.7	39.7	41.1	41.2	41.7	40.7	41.0	41.1	41.2	42.1	41.9
Industrial Machinery and Equipment	42.2	43.5	42.9	41.7	42.5	41.0	40.3	43.0	41.9	42.5	41.1	41.9	44.4
Electronic and Other Electric Equipment	40.7	41.6	41.0	40.7	41.1	40.8	40.9	40.9	40.0	40.4	40.4	40.1	39.9
Transportation Equipment	43.4	43.2	45.8	43.9	44.3	44.4	43.0	41.7	41.3	42.7	44.8	42.2	42.7
Motor Vehicles and Equipment	43.0	43.1	45.4	43.7	44.0	44.4	42.7	41.1	40.9	42.3	44.6	41.7	42.3
Instruments and Related Products	39.2	38.6	40.4	40.6	40.3	39.2	39.8	38.8	38.9	38.8	38.8	38.2	38.5
Nondurable Goods[c]	41.3	41.4	41.0	41.2	41.3	41.3	41.1	41.0	41.0	40.8	41.6	42.3	42.0
Food and Kindred Products	41.7	40.6	40.1	41.5	41.7	41.5	41.7	41.9	41.9	41.9	41.8	42.9	42.9
Dairy Products	42.8	44.0	43.9	42.8	40.9	41.1	42.6	43.2	42.6	41.7	41.5	45.4	43.9
Printing and Publishing	38.8	39.3	38.0	38.3	38.4	38.7	38.5	38.8	38.7	39.1	38.7	39.6	39.7
Chemicals and Allied Products	42.2	42.9	42.0	42.4	42.3	41.8	41.2	40.9	41.2	41.2	42.1	43.8	44.7
Rubber and Miscellaneous Plastics Products	42.4	41.8	43.5	42.2	42.7	43.1	42.4	41.8	41.7	41.2	44.5	43.0	41.5
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.2	40.7	40.4	41.0	42.1	41.6	41.3	41.7	41.9	41.6	40.9	41.2	40.6
Communications	40.4	40.1	39.8	40.1	40.1	40.3	40.1	40.7	41.4	41.2	40.5	40.8	40.1
Electric, Gas, and Sanitary Services	42.6	41.7	41.5	42.5	45.4	43.7	43.2	43.5	42.8	42.2	41.7	41.9	41.5
Wholesale Trade	38.0	38.2	37.8	37.6	38.0	37.7	37.4	37.8	37.5	33.3	38.3	38.2	38.2
Retail Trade	28.8	28.3	28.2	28.5	28.4	28.1	28.7	29.0	29.4	29.2	28.7	28.8	29.7
General Merchandise Stores	28.6	28.2	27.6	28.0	28.3	28.2	28.8	29.1	28.9	28.8	28.5	28.3	30.5
Food Stores	26.9	25.8	25.5	26.3	26.0	26.3	27.6	27.6	27.6	28.0	27.2	27.7	27.1
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.2	34.4	34.3	34.0	34.0	34.1	34.2	34.4	34.5	34.6	34.1	33.7	33.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-5 (1988)

Columbus MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$479.33	$467.82	$476.63	$473.71	$481.64	$479.41	$479.33	$474.62	$470.83	$480.65	$485.39	$488.55	$491.91
Durable Goods[b]	493.38	476.10	493.74	486.86	497.77	494.73	496.65	489.46	483.89	497.90	500.35	498.73	502.85
Stone, Clay, and Glass Products	475.83	464.04	466.62	479.81	475.38	471.06	485.03	479.95	475.59	482.93	472.18	482.98	470.02
Glass and Glassware, Pressed or Blown	431.83	441.86	426.89	433.92	432.52	417.20	421.50	434.81	421.69	461.00	441.05	441.25	414.09
Fabricated Metal Products	512.93	497.76	500.61	487.12	520.33	522.83	528.34	508.34	506.76	509.64	514.18	530.04	528.78
Industrial Machinery and Equipment	473.91	479.37	473.19	459.53	471.75	456.74	448.14	489.77	465.51	486.63	461.96	476.40	521.70
Electronic and Other Electric Equipment	457.47	459.68	455.10	455.84	465.25	464.71	461.76	458.08	449.60	452.88	452.88	451.93	454.46
Transportation Equipment	600.66	570.24	634.33	609.33	619.76	620.27	591.68	570.46	573.24	594.38	632.13	584.47	594.81
Motor Vehicles and Equipment	598.99	568.49	626.52	608.74	619.08	625.60	592.25	565.54	571.78	592.20	638.67	585.47	593.47
Instruments and Related Products	410.03	396.04	418.95	421.02	418.72	407.68	411.93	404.68	405.34	408.56	410.12	410.27	411.18
Nondurable Goods[c]	455.95	455.40	450.59	454.85	456.78	455.54	451.69	448.54	451.41	450.43	459.26	469.11	469.14
Food and Kindred Products	421.17	412.09	408.22	424.55	424.51	421.23	421.17	421.51	429.48	417.74	415.49	431.15	428.14
Dairy Products	532.86	555.72	567.19	540.99	506.34	508.82	526.11	528.77	522.70	502.49	505.89	581.57	550.51
Printing and Publishing	506.34	496.36	481.46	487.18	494.59	502.71	500.89	506.34	506.58	517.29	514.32	532.22	536.35
Chemicals and Allied Products	557.46	556.41	544.74	560.53	557.94	548.00	535.19	524.75	533.95	547.55	570.88	599.62	612.39
Rubber and Miscellaneous Plastics Products	363.37	349.87	363.66	352.79	358.68	368.51	365.91	360.32	360.71	355.97	392.49	372.81	363.54
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	584.22	568.99	564.39	582.61	600.35	592.38	586.05	593.81	601.68	594.46	579.96	585.45	568.81
Communications	567.62	560.20	556.01	562.60	561.80	561.78	558.59	570.61	593.68	585.86	567.81	578.95	558.59
Electric, Gas, and Sanitary Services	613.01	583.80	579.34	615.40	664.20	641.95	630.29	634.67	615.46	607.68	602.57	597.08	587.23
Wholesale Trade	367.46	361.37	361.37	356.82	362.52	360.04	359.04	366.28	361.13	375.34	379.94	376.27	379.71
Retail Trade[d]	180.58	177.44	175.12	179.27	176.93	176.47	178.80	181.54	181.69	181.92	179.95	182.59	189.49
General Merchandise Stores	188.76	187.25	174.98	182.84	183.67	184.43	188.06	191.48	189.87	194.98	192.09	191.03	204.66
Food Stores	181.58	175.70	174.68	179.63	176.80	178.84	185.75	182.71	182.99	183.12	182.78	190.02	183.74
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	264.85	258.10	260.61	263.21	262.10	265.97	266.92	262.20	266.22	266.68	266.99	270.05	269.19
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	343.71	336.78	335.11	333.88	334.56	338.61	337.55	348.47	345.69	355.34	349.18	350.48	352.17

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [e]Depressed due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-5 (1988)

Columbus MSA

Nonagricultural Wage and Salary Employment, 1979–1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	558.4	560.2	556.9	544.0	548.5	576.4	603.6	630.7	658.0
Goods-Producing Industries[b]	142.1	135.2	129.7	118.3	116.7	125.1	129.0	130.7	131.8
Construction	23.0	21.2	19.2	16.0	16.8	19.2	21.9	24.0	27.0
Manufacturing	117.8	112.6	109.1	101.0	98.7	104.7	106.1	105.8	103.9
Durable Goods[c]	79.2	73.9	71.1	64.9	63.5	69.0	70.4	69.4	67.0
Stone, Clay, and Glass Products	14.4	14.0	13.7	12.8	12.6	12.3	11.8	11.5	10.7
Glass and Glassware, Pressed or Blown	.....	.....	.....	.....	5.6	5.2	4.7	4.4	4.0
Fabricated Metal Products	13.6	12.6	12.8	10.5	10.4	11.2	11.5	10.8	9.8
Industrial Machinery and Equipment	13.6	13.0	12.6	11.2	9.8	11.1	10.7	9.7	9.8
Electronic and Other Electric Equipment	15.0	14.0	12.6	11.6	10.7	11.4	11.3	10.9	10.4
Transportation Equipment	8.2	8.0	8.1	8.8	10.4	12.2	13.6	15.0	14.2
Motor Vehicles and Equipment	.....	.....	.....	.....	5.2	6.3	6.8	7.6	8.7
Instruments and Related Products	.....	.....	.....	.....	3.9	4.1	4.3	4.2	4.2
Nondurable Goods[d]	38.7	38.7	38.0	36.1	35.2	35.7	35.7	36.4	37.0
Food and Kindred Products	11.0	11.2	11.1	10.6	10.3	10.1	9.8	9.9	10.2
Dairy Products	.....	.....	.....	.....	3.7	3.7	3.5	3.5	3.8
Printing and Publishing	8.9	9.2	9.1	8.8	8.9	9.0	9.5	9.7	10.2
Chemicals and Allied Products	7.0	7.2	7.1	7.0	6.9	6.8	6.9	7.0	6.8
Rubber and Miscellaneous Plastics Products	5.5	5.0	5.1	4.5	4.4	5.1	5.1	5.4	5.2
Service-Producing Industries	416.3	425.1	427.1	425.7	431.8	451.3	474.6	500.0	526.2
Transportation and Public Utilities	27.3	26.8	26.3	25.3	24.7	26.1	26.0	26.6	28.2
Transportation	15.6	14.9	13.9	13.0	13.0	14.2	14.6	15.1	16.4
Trucking and Warehousing	.....	.....	.....	.....	9.2	10.4	10.5	10.7	11.8
Communications, Electric, Gas Services	11.7	11.9	12.4	12.3	11.7	11.9	11.4	11.5	11.8
Communications	.....	.....	.....	.....	7.7	7.8	7.3	7.3	7.5
Electric, Gas, and Sanitary Services	.....	.....	.....	.....	4.0	4.0	4.1	4.2	4.3
Wholesale Trade	28.9	28.6	28.6	28.4	29.1	31.3	32.2	32.4	33.9
Wholesale Trade-Durable Goods	.....	.....	.....	.....	18.8	20.3	21.2	21.2	21.8
Wholesale Trade-Nondurable Goods	.....	.....	.....	.....	10.3	11.0	11.1	11.3	12.1
Retail Trade	101.3	101.0	100.9	100.3	102.8	110.0	118.6	125.0	133.3
General Merchandise Stores	17.4	16.8	16.3	15.9	15.3	15.8	16.7	18.3	21.2
Food Stores	13.8	14.5	14.5	14.0	13.7	14.1	15.1	15.3	15.9
Automotive Dealers and Service Stations	11.4	10.3	10.2	10.5	10.6	11.9	12.4	12.9	13.0
Finance, Insurance, and Real Estate	38.3	40.1	41.8	43.5	45.0	46.7	49.4	53.7	57.0
Insurance	.....	.....	.....	.....	.....	.....	.....	.....	.....
Insurance Carriers	16.9	17.6	18.1	18.6	18.8	18.9	19.6	21.3	22.8

See footnotes at end of table.

Columbus MSA

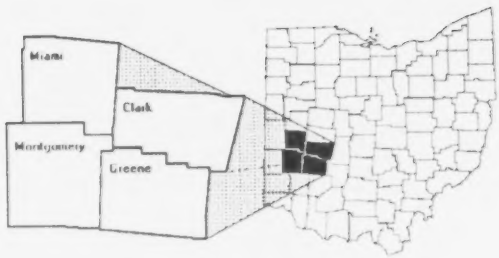
Nonagricultural Wage and Salary Employment, 1979-1987[a] (continued)
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Services	108.7	113.2	116.2	117.4	119.6	127.5	136.0	145.9	154.4
Health Services	.....	.....	.....	.....	33.2	34.2	36.0	37.9	39.2
Hospitals	.....	.....	.....	.....	15.7	15.7	15.9	16.6	17.6
Educational Services	.....	.....	.....	.....	7.7	8.4	8.1	8.3	8.5
Social Services	.....	.....	.....	.....	7.4	8.1	8.7	9.6	11.3
Government	111.9	115.4	113.4	110.7	110.5	109.8	112.4	116.4	119.4
Federal Government	14.6	14.7	14.5	14.5	14.3	14.6	15.2	15.6	15.7
State Government	48.8	49.8	49.6	48.8	48.8	48.5	49.0	51.0	52.7
State Government Education[e]	19.5	20.1	19.6	19.0	19.7	20.1	20.6	21.6	22.2
Local Government	48.5	50.8	49.3	47.5	47.4	46.7	48.2	49.7	51.0
Local Government Education	26.8	28.2	28.4	27.7	26.8	27.2	28.4	29.2	30.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-5 (1979-1987)

Dayton-Springfield Metropolitan Statistical Area



In the Dayton-Springfield metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 10,400 from 1988 to 478,600 in 1989. Total employment rose 10,200 over the year. Unemployment, at 24,400, was unchanged from the year-ago level. The unemployment rate dropped from 5.2 percent in 1988 to 5.1 percent in 1989. (See table below.)

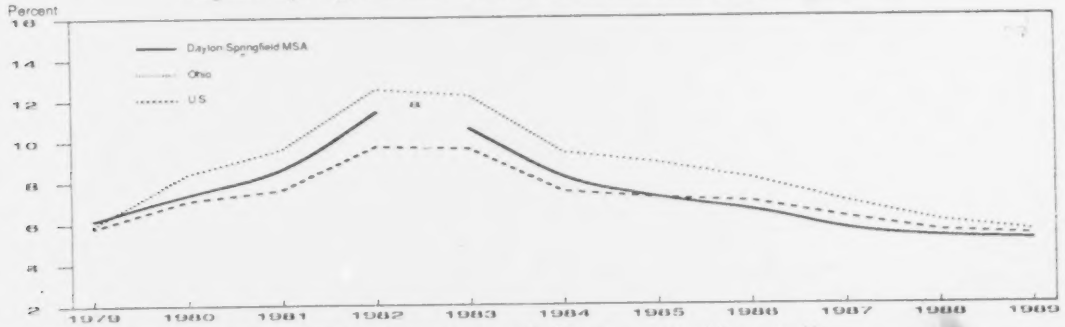
Nonagricultural wage and salary employment rose 2.4 percent, or 10,600, above the 1988 level to 448,300 in 1989. Expansion in the service-producing sector contributed 99.1 percent of the gain, or 10,500 jobs. Leading growth industries were services, especially business services and health services, and government. Noteworthy improvements also occurred in wholesale trade, retail trade, and transportation and public utilities. Employment in finance, insurance, and real estate declined slightly from 1988. The number of workers in goods-producing industries increased 100 from the year-ago level at 122,700 in 1989. Modest gains in construction employment outweighed scattered reductions in manufacturing. Lowered production in rubber and miscellaneous plastics products, industrial machinery and equipment, food and kindred products, and printing and publishing negated improvements in transportation equipment, fabricated metal products, and paper and allied products.

Dayton-Springfield MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
392.2	367.9	24.2	6.2	5.9	5.8	1979	408.8	138.8	270.0
390.2	361.0	29.2	7.5	8.4	7.1	1980	397.1	126.1	271.1
390.8	358.0	32.8	8.4	9.6	7.6	1981	393.2	123.2	269.9
391.8	347.1	44.7	11.4	12.5	9.7	1982	374.3	108.0	266.3
438.5[c]	391.9[c]	46.6[c]	10.6[c]	12.2	9.6	1983	372.3	106.4	265.8
440.1	404.8	35.2	8.0	9.4	7.5	1984	392.7	116.1	276.6
450.4	418.1	32.4	7.2	8.9	7.2	1985	408.9	120.2	288.7
460.5	430.1	30.3	6.6	8.1	7.0	1986	419.4	121.0	298.4
463.8	437.7	26.2	5.6	7.0	6.2	1987	429.8	121.2	308.6
468.2	443.8	24.4	5.2	6.0	5.5	1988	437.7	122.6	315.1
478.6	454.1	24.4	5.1	5.5	5.3	1989	448.3	122.7	325.6

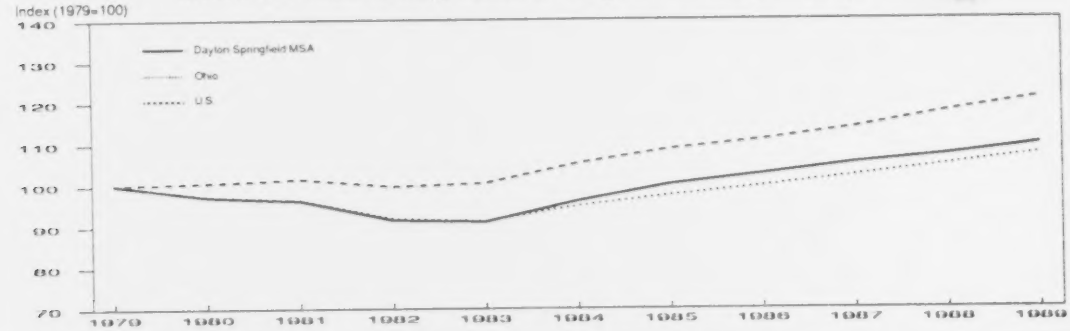
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

Dayton–Springfield MSA, Ohio and U.S. Unemployment Rates

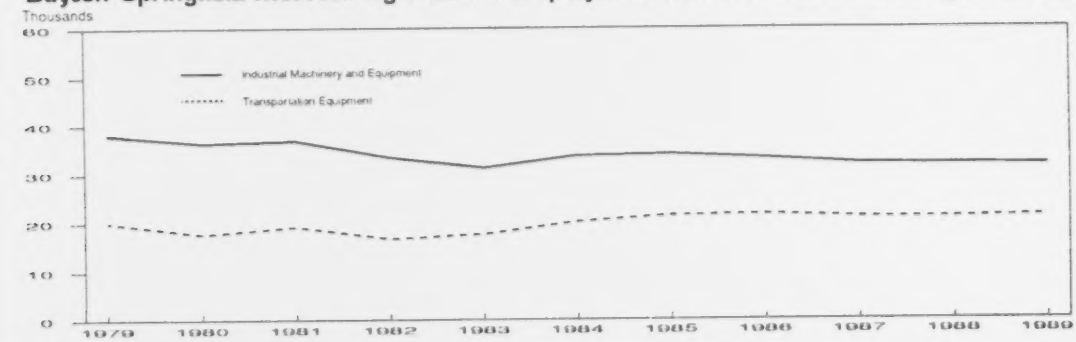


[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

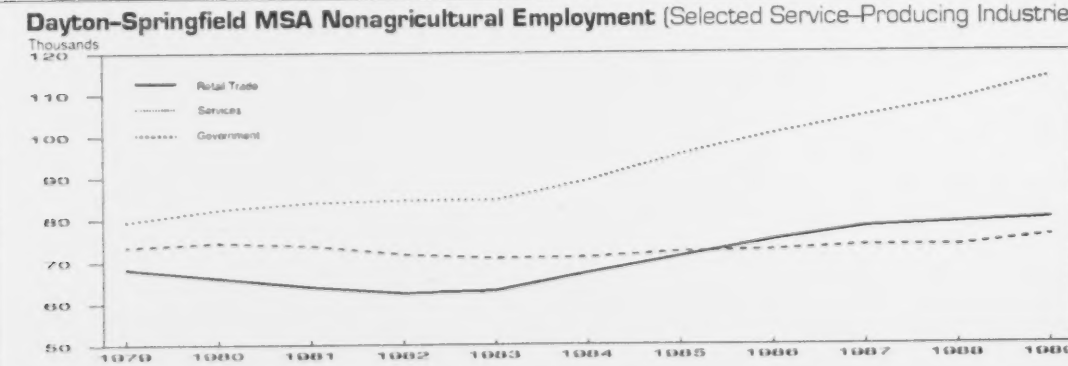
Indexes of Total Nonagricultural Wage and Salary Employment



Dayton–Springfield MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Dayton–Springfield MSA Nonagricultural Employment (Selected Service–Producing Industries)



Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	448.3	439.2	440.9	444.2	446.8	448.3	449.6	444.9	445.4	454.0	453.3	455.2	458.3
Goods-Producing Industries[b]	122.7	122.0	121.6	122.5	122.1	123.0	124.3	123.8	124.2	124.3	120.9	121.2	122.5
Construction	17.8	16.1	15.8	16.5	17.0	17.7	18.3	18.9	19.0	18.9	18.8	18.4	17.7
Manufacturing	104.5	105.6	105.4	105.6	104.7	104.8	105.6	104.5	104.7	105.0	101.7	102.3	104.3
Durable Goods[c]	74.9	76.0	75.6	75.7	75.2	75.2	75.8	75.1	75.3	75.4	72.1	72.8	74.8
Fabricated Metal Products	8.6	8.5	8.5	8.6	8.6	8.6	8.7	8.8	8.7	8.7	8.3	8.6	8.5
Industrial Machinery and Equipment	31.9	32.3	32.3	32.4	31.9	31.9	32.1	32.0	32.0	31.8	31.3	31.5	31.5
Metalworking Machinery	8.5	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.5	8.5	8.5	8.4
General Industrial Machinery	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Electronic and Other Electric Equipment	4.2	4.6	4.5	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8
Transportation Equipment	21.3	21.6	21.5	21.4	21.5	21.6	21.8	21.2	21.4	21.8	19.6	19.8	22.3
Motor Vehicles and Equipment	18.2	18.4	18.3	18.3	18.4	18.5	18.6	18.1	18.3	18.7	16.5	16.7	19.1
Nondurable Goods[d]	29.6	29.6	29.8	29.8	29.5	29.6	29.8	29.4	29.5	29.6	29.5	29.5	29.5
Food and Kindred Products	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.8	2.8	2.9	2.8
Paper and Allied Products	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.9
Printing and Publishing	9.0	8.9	8.9	9.0	8.8	8.9	9.0	9.0	9.0	9.1	9.1	9.2	9.2
Rubber and Miscellaneous Plastics Products	8.1	8.5	8.4	8.4	8.2	8.2	8.2	7.9	7.9	7.9	7.9	7.8	7.8
Service-Producing Industries	325.6	317.2	319.3	321.6	324.7	325.3	325.4	321.1	321.2	329.7	332.3	334.1	335.8
Transportation and Public Utilities	17.5	16.8	17.0	17.2	17.3	17.3	17.5	17.5	17.7	17.8	17.9	17.9	18.0
Transportation	11.3	10.8	10.9	11.1	11.1	11.1	11.2	11.2	11.3	11.5	11.6	11.6	11.7
Trucking and Warehousing	6.2	5.7	5.8	6.0	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6
Communications, Electric, Gas Services	6.2	6.1	6.1	6.1	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Communications	3.5	3.4	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Wholesale Trade	20.9	20.1	20.3	20.6	20.6	20.8	21.1	21.2	21.1	21.2	21.4	21.3	21.4
Wholesale Trade-Durable Goods	14.7	14.1	14.3	14.4	14.5	14.6	14.8	14.8	14.8	14.9	14.9	14.9	14.9
Wholesale Trade-Nondurable Goods	6.3	6.0	6.1	6.2	6.2	6.2	6.3	6.4	6.3	6.3	6.4	6.4	6.4
Retail Trade	79.9	78.0	77.1	78.2	78.9	79.5	80.0	79.7	80.2	80.6	80.9	81.9	83.5
General Merchandise Stores	11.6	11.7	11.1	11.2	11.2	11.2	11.2	11.2	11.3	11.5	11.7	12.4	13.0
Finance, Insurance, and Real Estate	17.7	17.6	17.5	17.7	17.5	17.7	17.8	18.1	18.1	18.0	17.7	17.6	17.7
Finance	9.7	9.8	9.8	9.9	9.7	9.7	9.8	9.9	9.8	9.7	9.5	9.5	9.6
Depository Institutions	7.5	7.5	7.5	7.5	7.4	7.5	7.5	7.7	7.6	7.5	7.3	7.3	7.3
Insurance	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4

See footnotes at end of table.

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	113.8	109.3	111.2	112.4	113.4	112.6	113.7	113.4	113.9	116.1	116.8	116.9	116.3
Business Services	21.9	20.5	20.9	21.1	21.6	22.1	22.2	22.2	22.3	22.4	22.7	22.5	22.6
Personnel Supply Services	6.2	5.6	5.7	5.7	6.0	6.4	6.4	6.4	6.5	6.5	6.6	6.5	6.5
Computer and Data Processing Services	4.9	4.6	4.6	4.7	4.8	4.8	4.8	4.9	4.9	5.0	5.1	5.1	5.1
Health Services	38.3	37.2	37.3	37.4	37.9	38.1	38.4	38.7	38.9	39.0	38.9	39.2	39.2
Nursing and Personal Care Facilities	7.1	7.0	7.0	7.0	6.9	7.0	7.0	7.1	7.1	7.2	7.1	7.2	7.2
Hospitals	19.6	19.1	19.1	19.0	19.5	19.6	19.7	19.9	19.9	19.9	19.9	20.1	20.0
Educational Services	8.1	8.2	9.2	9.2	8.9	7.2	6.6	5.8	5.4	8.4	9.4	9.8	9.0
Social Services	5.9	5.7	5.8	5.9	5.7	5.8	5.8	5.9	5.8	6.0	6.0	6.0	6.0
Engineering and Management Services	9.9	9.9	9.9	10.0	9.9	9.9	9.9	9.9	9.9	9.8	9.9	9.8	9.9
Research and Testing Services	3.3	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Government	75.8	75.4	76.1	75.6	77.1	77.4	75.3	71.2	70.2	76.0	77.6	78.4	78.9
Federal Government	28.9	27.8	27.8	28.0	28.9	28.9	29.4	29.5	29.7	29.2	29.2	28.9	29.3
State Government	7.2	7.2	7.3	7.3	7.4	7.3	7.4	7.5	6.5	6.5	6.7	7.4	7.4
State Government Education[e]	4.3	4.4	4.4	4.5	4.5	4.4	4.5	4.5	3.5	3.5	3.8	4.5	4.6
Local Government	39.7	40.3	41.0	40.4	40.8	41.2	38.5	34.2	34.0	40.3	41.8	42.1	42.2
Local Government Education	24.8	25.7	26.3	25.7	26.0	26.3	23.2	18.8	18.6	25.4	27.0	27.4	27.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-6 (1989)

Dayton-Springfield MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.95	$13.14	$13.01	$13.05	$12.92	$12.92	$12.89	$12.75	$12.72	$12.98	$12.90	$13.01	$13.10
Durable Goods[b]	13.20	13.36	13.21	13.28	13.11	13.14	13.10	12.99	13.01	13.27	13.22	13.32	13.44
Fabricated Metal Products	9.66	9.55	9.60	9.57	9.54	9.67	9.72	9.68	9.63	9.79	9.72	9.74	9.75
Industrial Machinery and Equipment	13.77	13.93	13.71	13.77	13.70	13.85	13.81	13.52	13.66	13.80	13.77	13.86	13.81
Metalworking Machinery	12.97	13.05	12.96	12.85	12.83	12.84	12.97	12.63	12.91	13.06	13.06	13.20	13.25
General Industrial Machinery	11.43	11.57	11.66	11.56	11.31	11.34	11.32	11.24	11.30	11.12	11.20	11.41	11.98
Electronic and Other Electric Equipment	8.73	9.02	8.81	8.76	8.70	8.67	8.74	8.78	8.79	8.64	8.65	8.61	8.58
Transportation Equipment	16.37	16.39	16.30	16.47	16.20	16.21	16.18	16.20	16.09	16.57	16.68	16.65	16.49
Motor Vehicles and Equipment	16.57	16.66	16.52	16.70	16.41	16.38	16.34	16.35	16.25	16.76	16.92	16.87	16.66
Nondurable Goods[c]	12.20	12.48	12.43	12.35	12.38	12.23	12.25	12.03	11.84	12.08	12.01	12.14	12.09
Food and Kindred Products	8.79	9.07	9.23	9.21	8.44	8.64	8.54	8.57	8.53	8.62	8.67	8.99	8.94
Paper and Allied Products	11.20	11.07	10.96	11.25	11.35	11.16	11.22	11.23	11.26	11.17	11.16	11.30	11.23
Printing and Publishing	11.68	11.49	11.79	11.62	11.59	11.54	11.65	11.67	11.70	11.89	11.73	11.69	11.84
Rubber and Miscellaneous Plastics Products	16.18	16.62	16.42	16.43	16.49	16.30	16.41	15.99	15.59	16.11	15.93	15.91	15.67
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	13.88	13.68	13.70	13.63	13.83	13.85	14.04	14.02	14.10	13.96	13.89	13.89	13.90
Communications	13.98	13.67	13.68	13.64	13.82	13.85	14.11	14.15	14.27	14.17	14.14	14.12	14.06
Wholesale Trade	10.06	10.09	10.09	10.10	10.07	10.22	10.25	10.00	9.98	9.95	9.97	10.06	9.93
Retail Trade[d]	5.92	5.72	5.81	5.85	5.86	5.90	5.91	5.98	5.96	6.04	5.98	6.00	6.01
General Merchandise Stores	6.24	6.11	6.14	6.09	6.22	6.28	6.24	6.26	6.26	6.37	6.35	6.15	6.36
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	11.09	10.51	10.61	10.65	10.85	10.88	10.91	11.19	11.24	11.49	11.46	11.62	11.59

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-6 (1989)

Dayton-Springfield MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.9	44.1	43.7	43.3	43.1	43.0	43.1	42.3	41.8	42.8	42.8	42.7	42.1
Durable Goods[b]	43.3	44.4	44.0	43.7	43.3	43.3	43.4	42.7	42.2	43.2	43.4	43.0	42.5
Fabricated Metal Products	41.9	41.9	41.8	41.7	41.4	42.8	43.5	42.5	41.0	42.7	41.4	41.0	41.4
Industrial Machinery and Equipment	44.3	46.4	45.0	45.1	44.8	44.6	44.5	42.9	43.0	43.4	44.4	44.0	43.8
Metalworking Machinery	47.0	47.7	47.3	47.2	48.3	46.5	47.4	44.8	45.8	47.1	47.3	47.4	46.8
General Industrial Machinery	43.8	43.7	43.5	43.8	42.5	45.2	46.0	43.4	43.8	40.7	41.5	43.3	47.5
Electronic and Other Electric Equipment	41.8	41.6	43.3	41.3	41.6	41.3	42.1	42.0	42.2	42.6	40.9	41.1	41.7
Transportation Equipment	43.5	45.0	45.0	44.3	42.7	42.9	42.5	43.3	42.2	43.8	44.3	44.0	42.2
Motor Vehicles and Equipment	43.3	45.1	45.1	44.3	42.5	42.7	42.1	43.1	41.9	43.7	44.3	43.6	41.6
Nondurable Goods[c]	41.9	43.3	42.8	42.2	42.4	41.9	42.3	41.2	40.7	41.8	41.1	41.6	41.0
Food and Kindred Products	41.4	41.7	41.6	41.3	41.1	41.7	40.8	41.6	40.9	40.5	40.8	42.5	42.5
Paper and Allied Products	44.1	45.5	43.7	45.3	45.0	43.1	44.0	43.6	43.7	44.0	43.6	44.0	43.6
Printing and Publishing	40.3	39.6	39.7	40.5	41.4	40.7	40.9	39.8	40.1	40.9	40.1	40.5	39.9
Rubber and Miscellaneous Plastics Products	41.4	44.9	43.8	41.5	42.6	42.2	42.3	40.3	38.9	40.8	39.6	40.1	38.7
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.8	39.7	39.6	39.4	40.3	40.7	41.4	41.6	41.8	41.7	41.1	41.2	40.9
Communications	40.6	40.2	39.8	39.4	39.8	40.4	41.4	41.5	41.7	42.0	40.6	41.0	40.1
Wholesale Trade	39.8	40.2	40.0	39.4	39.4	39.6	39.8	40.1	39.9	40.1	40.0	39.5	39.5
Retail Trade	28.3	28.0	27.9	28.1	28.2	28.1	28.2	28.6	28.6	28.2	28.4	28.3	28.8
General Merchandise Stores	28.0	27.8	27.7	27.9	27.9	28.0	27.9	28.2	27.9	27.7	27.7	26.8	30.7
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.5	34.3	34.2	34.5	34.3	33.9	34.0	34.2	34.4	34.3	35.3	35.1	35.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous-manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-6 (1989)

Dayton-Springfield MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$555.56	$579.47	$568.54	$565.07	$556.85	$555.56	$555.56	$539.33	$531.70	$555.54	$552.12	$555.53	$551.51
Durable Goods[b]	571.56	593.18	581.24	580.34	567.66	568.96	568.54	554.67	549.02	573.26	573.75	572.76	571.20
Fabricated Metal Products	404.75	400.15	401.28	399.07	394.96	413.88	422.82	411.40	394.83	418.03	402.41	399.34	403.65
Industrial Machinery and Equipment	610.01	646.35	616.95	621.03	613.76	617.71	614.55	580.01	587.38	598.92	611.39	609.84	604.88
Metalworking Machinery	609.59	622.49	613.01	606.52	619.69	597.06	614.78	565.82	591.28	615.13	617.74	625.68	620.10
General Industrial Machinery	500.63	505.61	507.21	506.33	480.68	512.57	520.72	487.82	494.94	452.58	464.80	494.05	569.05
Electronic and Other Electric Equipment	364.91	375.23	381.47	361.79	361.92	358.07	367.95	368.76	370.94	368.06	353.79	353.87	357.79
Transportation Equipment	712.10	737.55	733.50	729.62	691.74	695.41	687.65	701.46	679.00	725.77	738.92	732.60	695.88
Motor Vehicles and Equipment	717.48	751.37	745.05	739.81	697.43	699.43	687.91	704.69	680.88	732.41	749.56	735.53	693.06
Nondurable Goods[c]	511.18	540.38	532.00	521.17	524.91	512.44	518.18	495.64	481.89	504.94	493.61	505.02	495.69
Food and Kindred Products	363.91	378.22	383.97	380.37	346.88	360.29	348.43	356.51	348.88	349.11	353.74	382.08	379.95
Paper and Allied Products	493.92	503.69	478.95	509.63	510.75	481.00	493.68	489.63	492.06	491.48	486.58	497.20	489.63
Printing and Publishing	470.70	455.00	468.06	470.61	479.83	469.68	476.49	464.47	469.17	486.30	470.37	473.45	472.42
Rubber and Miscellaneous Plastics Products	669.85	746.24	719.20	681.85	702.47	687.86	694.14	644.40	606.45	657.29	630.83	637.99	606.43
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	566.30	543.10	542.52	537.02	557.35	563.70	581.26	583.23	589.38	582.13	570.88	572.27	568.51
Communications	567.59	549.53	544.46	537.42	550.04	559.54	584.15	587.23	595.06	595.14	574.08	578.92	563.81
Wholesale Trade	400.39	405.62	403.60	397.94	396.76	404.71	407.95	401.00	398.20	399.00	398.80	397.37	392.24
Retail Trade[d]	167.54	160.16	162.10	164.39	165.25	165.79	166.66	171.03	170.46	170.33	169.83	169.80	173.09
General Merchandise Stores	174.72	169.86	170.08	169.91	173.54	175.84	174.10	176.53	174.65	176.45	175.90	164.82	195.25
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	264.63	256.13	254.13	257.86	262.03	258.21	260.20	261.33	267.60	266.30	274.17	274.54	281.64
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	382.61	360.49	362.86	367.43	372.16	368.83	370.94	382.70	386.66	394.11	404.54	407.86	407.97

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-6 (1989)

Dayton–Springfield MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	437.7	426.5	426.0	429.8	436.5	437.9	441.3	435.7	435.4	443.6	444.5	446.2	449.0
Goods-Producing Industries[b]	122.6	118.5	117.6	119.5	121.6	122.8	124.4	124.9	124.1	124.8	124.5	124.5	124.2
Construction	17.2	14.8	14.2	15.2	16.7	17.6	18.4	18.6	18.7	18.4	18.3	18.0	17.6
Manufacturing	105.0	103.4	103.0	103.9	104.5	104.8	105.6	105.7	105.0	106.0	105.7	106.1	106.1
Durable Goods[c]	74.9	73.6	73.3	74.1	74.6	74.8	75.4	75.6	74.6	75.5	75.6	76.0	76.1
Fabricated Metal Products	8.5	8.4	8.3	8.4	8.3	8.4	8.5	8.6	8.7	8.6	8.8	8.7	8.7
Industrial Machinery and Equipment	32.0	31.6	31.5	31.8	31.9	32.2	32.4	32.4	31.7	32.0	32.0	32.3	32.7
Metalworking Machinery	8.3	8.4	8.3	8.4	8.2	8.2	8.3	8.3	8.2	8.2	8.2	8.2	8.5
General Industrial Machinery	2.8	2.5	2.5	2.5	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1
Electronic and Other Electric Equipment	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.2	4.3	4.4	4.4	4.4	4.3
Transportation Equipment	21.0	20.6	20.4	20.7	21.1	21.0	21.3	21.2	20.7	21.3	21.2	21.3	21.3
Motor Vehicles and Equipment	18.0	17.8	17.6	17.8	18.2	18.1	18.3	18.2	17.7	18.2	18.1	18.3	18.3
Nondurable Goods[d]	30.0	29.8	29.6	29.8	29.8	30.0	30.2	30.2	30.3	30.5	30.2	30.1	30.0
Food and Kindred Products	2.9	2.9	2.8	2.9	2.9	2.9	2.9	2.8	3.0	3.0	2.8	2.8	2.7
Paper and Allied Products	5.9	6.0	5.9	5.9	5.9	5.9	6.0	6.0	5.9	5.9	6.0	6.0	6.1
Printing and Publishing	9.1	9.0	8.9	9.0	8.9	9.0	9.1	9.3	9.3	9.3	9.2	9.1	9.1
Rubber and Miscellaneous Plastics Products	8.3	8.3	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.4	8.5	8.5	8.5
Service-Producing Industries	315.1	308.1	308.5	310.4	314.9	315.1	316.9	310.9	311.3	318.8	320.0	321.7	324.8
Transportation and Public Utilities	16.8	16.3	16.4	16.4	16.6	16.7	17.0	17.0	17.0	16.8	17.0	17.1	17.3
Transportation	11.0	10.6	10.6	10.7	10.9	11.0	11.2	11.2	11.2	11.0	11.1	11.1	11.2
Trucking and Warehousing	6.1	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.2	6.0	6.1	6.1	6.2
Communications, Electric, Gas Services	5.8	5.7	5.7	5.7	5.7	5.8	5.9	5.8	5.8	5.7	5.9	6.0	6.1
Communications	3.3	3.3	3.3	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.4	3.4
Wholesale Trade	19.7	19.2	19.2	19.4	19.7	19.8	19.9	19.8	19.7	19.8	19.9	20.0	20.3
Wholesale Trade-Durable Goods	13.8	13.4	13.4	13.5	13.8	13.8	14.0	13.8	13.8	13.9	13.9	14.0	14.2
Wholesale Trade-Nondurable Goods	5.9	5.9	5.8	5.9	5.9	6.0	5.9	6.0	5.9	5.9	6.0	6.0	6.1
Retail Trade	79.0	77.2	76.2	76.9	78.9	79.7	79.9	79.4	79.8	79.6	79.0	79.5	81.5
General Merchandise Stores	11.7	12.0	11.4	11.4	11.5	11.5	11.2	11.4	11.6	11.8	11.7	12.2	13.0
Finance, Insurance, and Real Estate	17.9	17.7	17.7	17.8	17.8	18.0	18.3	18.2	18.1	18.0	17.7	17.7	17.7
Finance	10.0	10.0	10.0	10.0	9.9	10.0	10.1	10.0	10.0	10.0	9.8	9.8	9.9
Depository Institutions	7.1	6.8	6.8	6.9	6.9	7.0	7.2	7.2	7.3	7.4	7.3	7.4	7.5
Insurance	4.4	4.4	4.3	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3

See footnotes at end of table.

RS–790–1–6 (1988)

Dayton–Springfield MSA

Nonagricultural Wage and Salary Employment, 1988[a] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	108.4	103.6	105.0	105.3	107.8	106.3	108.9	108.2	109.2	111.3	111.4	111.6	112.2
Business Services	20.2	18.4	18.7	18.7	19.1	19.6	20.2	20.6	21.2	21.1	21.4	21.5	21.6
Personnel Supply Services	5.8	4.3	4.5	4.6	5.0	5.4	5.8	6.2	6.7	6.6	6.9	7.1	7.1
Computer and Data Processing Services	4.4	4.4	4.3	4.4	4.3	4.3	4.3	4.4	4.4	4.5	4.6	4.5	4.5
Health Services	36.9	36.2	36.2	36.3	36.4	36.7	36.9	37.3	37.5	37.6	37.1	37.2	37.4
Nursing and Personal Care Facilities	7.1	7.0	6.9	6.9	6.9	7.0	7.1	7.1	7.1	7.2	7.1	7.2	7.2
Hospitals	19.1	18.9	18.9	19.0	19.0	19.1	19.0	19.4	19.4	19.3	18.9	18.9	19.0
Educational Services	8.0	8.4	9.0	9.0	8.7	7.1	6.9	5.9	5.5	8.3	9.1	9.3	9.0
Social Services	5.5	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.6	5.6	5.6	5.7
Engineering and Management Services	9.8	9.4	9.5	9.5	10.3	9.4	10.4	9.8	9.7	9.7	9.7	9.7	9.9
Research and Testing Services	3.3	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.3	3.3	3.2	3.3
Government	73.3	74.1	74.0	74.6	74.0	74.6	72.9	68.4	67.5	73.3	75.0	75.9	75.9
Federal Government	27.5	27.6	27.5	27.6	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.7	27.9
State Government	7.0	7.3	7.0	7.3	7.3	7.3	7.3	6.6	6.5	6.4	6.8	7.2	7.3
State Government Education[e]	4.1	4.4	4.1	4.4	4.4	4.4	4.4	3.6	3.5	3.5	3.9	4.4	4.5
Local Government	38.8	39.2	39.4	39.7	39.4	39.9	38.2	34.3	33.6	39.6	40.7	41.0	40.7
Local Government Education	24.1	24.8	25.0	25.2	24.9	25.2	23.1	19.1	18.6	24.7	25.9	26.3	26.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-6 (1988)

Dayton-Springfield MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.63	$12.06	$12.23	$12.52	$12.66	$12.65	$12.75	$12.43	$12.42	$12.71	$12.99	$13.06	$12.99
Durable Goods[b]	12.81	12.19	12.41	12.76	12.84	12.79	12.91	12.57	12.56	12.85	13.21	13.27	13.16
Fabricated Metal Products	9.39	9.31	9.28	9.41	9.34	9.38	9.46	9.33	9.33	9.36	9.40	9.48	9.60
Industrial Machinery and Equipment	13.34	12.90	13.00	13.29	13.40	13.47	13.55	13.20	13.12	13.36	13.60	13.57	13.46
Metalworking Machinery	12.51	12.44	12.47	12.40	12.33	12.36	12.48	12.33	12.50	12.60	12.67	12.71	12.84
General Industrial Machinery	11.06	10.64	10.71	10.73	10.74	10.91	10.66	11.07	11.11	11.22	11.15	11.67	11.92
Electronic and Other Electric Equipment	8.71	8.51	8.51	8.61	8.74	8.86	8.84	8.75	8.65	8.73	8.74	8.79	8.79
Transportation Equipment	15.80	14.81	15.26	15.62	15.85	15.59	15.81	15.33	15.57	15.88	16.52	16.62	16.42
Motor Vehicles and Equipment	16.14	15.13	15.57	15.98	16.27	15.96	16.18	15.64	15.90	16.20	16.86	16.96	16.67
Nondurable Goods[c]	12.14	11.64	11.75	11.84	12.15	12.28	12.31	12.06	12.01	12.33	12.32	12.45	12.49
Food and Kindred Products	8.64	8.44	8.67	8.56	8.61	8.55	8.39	8.50	8.57	8.52	8.69	8.90	9.09
Paper and Allied Products	11.18	11.08	11.02	11.14	11.19	11.32	11.52	11.20	10.97	11.17	10.99	11.15	11.38
Printing and Publishing	11.27	10.86	11.00	11.07	11.16	11.21	11.35	11.31	11.42	11.60	11.41	11.38	11.49
Rubber and Miscellaneous Plastics Products	15.76	14.76	14.86	14.97	15.64	15.93	15.95	15.52	15.72	16.34	16.39	16.53	16.48
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	13.60	13.45	13.47	13.92	13.35	13.39	13.41	13.53	13.69	13.68	13.68	13.93	13.71
Communications	13.56	13.40	13.47	13.41	13.38	13.33	13.47	13.53	13.85	13.77	13.62	13.86	13.65
Wholesale Trade	10.28	10.31	10.47	10.39	10.38	10.33	10.23	10.16	10.23	10.27	10.21	10.16	10.17
Retail Trade[e]	5.68	5.79	5.67	5.75	5.75	5.66	5.64	5.65	5.60	5.65	5.61	5.67	5.76
General Merchandise Stores	6.23	6.41	5.97	6.32	6.25	6.23	6.19	6.26	6.15	6.28	6.26	6.15	6.25
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.59	10.72	10.66	10.64	10.64	10.57	10.67	10.63	10.59	10.53	10.48	10.43	10.51

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-6 (1988)

Dayton-Springfield MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.4	42.2	42.4	43.2	43.3	43.7	44.0	42.4	42.2	43.6	44.3	44.6	44.4
Durable Goods[b]	43.6	42.2	42.4	43.4	43.3	43.8	44.3	42.6	42.5	43.8	44.8	45.2	44.5
Fabricated Metal Products	41.7	43.3	42.6	42.1	41.4	41.9	42.1	41.4	41.1	40.6	39.8	41.3	43.1
Industrial Machinery and Equipment	44.4	43.0	42.8	43.8	44.0	44.6	45.1	43.3	43.6	45.0	45.9	46.0	45.3
Metalworking Machinery	46.1	45.3	45.9	45.6	44.3	44.2	46.2	45.3	46.7	47.5	47.5	47.2	48.0
General Industrial Machinery	43.3	41.0	41.0	42.2	42.0	43.8	42.4	44.4	43.8	45.1	42.9	44.0	47.3
Electronic and Other Electric Equipment	42.4	43.6	42.2	42.3	42.0	41.7	41.7	41.3	42.0	42.3	42.8	43.6	43.4
Transportation Equipment	44.2	41.1	42.4	44.4	44.2	44.4	45.4	42.8	42.1	44.1	46.8	47.3	45.6
Motor Vehicles and Equipment	44.4	40.9	42.4	44.8	44.6	44.7	45.8	42.8	41.8	44.4	47.2	47.7	45.8
Nondurable Goods[c]	42.9	42.2	42.7	42.8	43.2	43.5	43.2	42.0	41.5	43.2	43.0	42.9	44.1
Food and Kindred Products	41.0	40.8	40.5	39.3	37.9	40.8	40.4	42.0	42.1	41.7	41.3	42.3	42.5
Paper and Allied Products	45.4	46.3	46.8	46.2	46.4	46.5	46.9	43.7	41.8	45.6	43.5	44.2	47.6
Printing and Publishing	39.9	38.8	38.7	40.0	40.7	40.3	40.2	39.4	40.3	39.8	41.5	39.4	40.1
Rubber and Miscellaneous Plastics Products	43.7	41.5	43.3	43.2	44.6	44.9	43.8	42.0	42.3	44.2	44.9	44.8	45.0
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.3	40.0	39.7	41.1	39.7	40.0	40.1	40.7	40.5	40.5	40.4	40.6	40.0
Communications	39.7	39.4	39.0	39.2	39.2	39.3	39.5	39.9	40.5	40.5	40.0	40.2	40.0
Wholesale Trade	40.2	39.9	40.2	40.3	39.7	39.9	40.6	40.2	40.0	39.9	40.1	40.2	40.5
Retail Trade	28.2	26.9	27.3	27.7	27.9	28.2	28.5	28.7	28.6	28.3	28.5	28.1	29.4
General Merchandise Stores	27.4	26.4	25.4	26.5	27.1	27.6	27.8	27.7	27.4	27.3	27.5	26.9	30.8
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.3	34.7	34.8	34.5	34.7	34.6	34.4	34.2	34.3	33.8	33.8	34.2	34.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Depressed due to labor-management disputes during part of pay period. [e]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-6 (1988)

Dayton-Springfield MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$548.14	$508.93	$518.55	$540.86	$548.18	$552.81	$561.00	$527.03	$524.12	$554.16	$575.46	$582.48	$576.76
Durable Goods[b]	558.52	514.42	526.18	553.78	555.97	560.20	571.91	535.48	533.80	562.83	591.81	599.80	585.62
Fabricated Metal Products	391.56	403.12	395.33	396.16	386.68	393.02	398.27	386.26	383.46	380.02	374.12	391.52	413.76
Industrial Machinery and Equipment	592.30	554.70	556.40	582.10	589.60	600.76	611.11	571.56	572.03	601.20	624.24	624.22	609.74
Metalworking Machinery	576.71	563.53	572.37	565.44	546.22	546.31	576.58	558.55	583.75	598.50	601.83	599.91	616.32
General Industrial Machinery	478.90	436.24	439.11	452.81	451.08	477.86	451.98	491.51	486.62	506.02	478.34	513.48	563.82
Electronic and Other Electric Equipment	369.30	371.04	359.12	364.20	367.08	369.46	368.63	361.38	363.30	369.28	374.07	383.24	381.49
Transportation Equipment	698.36	608.69	647.02	693.53	700.57	692.20	717.77	656.12	655.50	700.31	773.14	786.13	748.75
Motor Vehicles and Equipment	716.62	618.82	660.17	715.90	725.64	713.41	741.04	669.39	664.62	719.28	795.79	808.99	763.49
Nondurable Goods[c]	520.81	491.21	501.73	506.75	524.88	534.18	531.79	506.52	498.42	532.66	529.76	534.11	550.81
Food and Kindred Products	354.24	344.35	351.14	336.41	326.32	348.84	338.96	357.00	360.80	355.28	358.90	376.47	386.33
Paper and Allied Products	507.57	513.00	515.74	514.67	519.22	526.38	540.29	489.44	458.55	509.35	478.07	492.83	541.69
Printing and Publishing	449.67	421.37	425.70	442.80	454.21	451.76	456.27	445.61	460.23	461.68	473.52	448.37	460.75
Rubber and Miscellaneous Plastics Products	688.71	612.54	643.44	646.70	697.54	715.26	698.61	651.84	664.96	722.23	735.91	740.54	741.60
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	548.08	538.00	534.76	572.11	530.00	535.60	537.74	550.67	554.45	554.04	552.67	565.56	548.40
Communications	538.33	527.96	525.33	525.67	524.50	523.87	532.07	539.85	560.93	557.69	544.80	557.17	546.00
Wholesale Trade	413.26	411.37	420.89	418.72	412.09	412.17	415.34	408.43	409.20	409.77	409.42	408.43	411.89
Retail Trade[d]	160.18	155.75	154.79	159.28	160.43	159.61	160.74	162.16	160.16	159.90	159.89	159.33	169.34
General Merchandise Stores	170.70	169.22	151.64	167.48	169.38	171.95	172.08	173.40	168.51	171.44	172.15	165.44	192.50
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	363.24	371.98	370.97	367.08	369.21	365.72	367.05	363.55	363.24	355.91	354.22	356.71	359.44

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [l]Depressed due to labor-management disputes during part of pay period. [9]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-6 (1988)

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1979-1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	408.8	397.1	393.2	374.3	372.3	392.7	408.9	419.4	429.8
Goods-Producing Industries[b]	138.8	126.1	123.2	108.0	106.4	116.1	120.2	121.0	121.2
Construction	15.8	14.7	13.0	10.4	10.6	12.1	13.5	14.8	16.4
Manufacturing	122.5	110.9	109.9	97.3	95.5	103.7	106.3	105.7	104.3
Durable Goods[c]	85.8	77.0	78.1	69.6	68.4	74.9	76.8	76.1	74.8
Fabricated Metal Products	8.3	7.8	7.9	7.3	7.3	8.0	8.5	8.4	8.4
Industrial Machinery and Equipment	38.1	36.3	36.8	33.4	31.3	33.6	34.0	33.2	32.1
General Industrial Machinery	.....	.....	.....	.....	2.8	2.8	2.7	2.4	2.4
Transportation Equipment	20.1	17.7	19.2	16.7	17.7	20.1	21.4	21.6	21.0
Motor Vehicles and Equipment	.....	.....	.....	.....	15.1	17.5	18.6	18.5	18.1
Nondurable Goods[d]	36.7	34.0	31.8	27.7	27.1	28.8	29.5	29.6	29.6
Food and Kindred Products	3.9	3.9	3.3	3.0	2.8	3.0	3.0	2.8	2.9
Paper and Allied Products	5.7	5.7	5.8	5.3	5.1	5.6	5.7	5.8	5.9
Printing and Publishing	10.2	10.0	9.7	8.1	7.7	8.0	8.3	8.4	8.7
Rubber and Miscellaneous Plastics Products	12.6	10.3	9.4	7.8	8.0	8.6	8.7	8.8	8.4
Service-Producing Industries	270.0	271.1	269.9	266.3	265.8	276.6	288.7	298.4	308.6
Transportation and Public Utilities	16.3	15.6	14.8	14.4	13.9	14.7	14.5	14.9	15.8
Transportation	9.1	8.2	7.3	7.1	7.3	8.2	8.4	9.0	10.1
Trucking and Warehousing	.....	.....	.....	.....	4.4	4.9	4.9	5.0	5.7
Communications, Electric, Gas Services	7.2	7.4	7.5	7.3	6.6	6.5	6.1	5.8	5.7
Communications	.....	.....	.....	.....	4.1	4.1	3.6	3.4	3.3
Wholesale Trade	16.8	16.9	17.7	17.5	17.6	18.5	19.1	18.8	18.9
Wholesale Trade-Durable Goods	.....	.....	.....	.....	12.2	12.9	13.0	12.7	12.8
Wholesale Trade-Nondurable Goods	.....	.....	.....	.....	5.4	5.6	6.0	6.1	6.1
Retail Trade	68.3	66.1	64.0	62.4	63.0	67.2	71.0	74.9	78.0
General Merchandise Stores	.....	.....	.....	.....	11.3	11.5	11.7	11.8	12.0
Finance, Insurance, and Real Estate	15.6	15.6	15.7	15.6	15.8	16.1	16.6	17.2	17.9
Services	79.5	82.3	84.1	84.8	84.7	89.2	95.4	100.2	104.5
Health Services	.....	.....	.....	.....	32.6	33.2	34.0	34.6	35.9
Hospitals	.....	.....	.....	.....	18.7	18.3	18.2	18.1	18.7
Educational Services	.....	.....	.....	.....	6.1	6.5	6.9	7.1	7.5
Social Services	.....	.....	.....	.....	3.5	3.8	4.1	4.5	5.2

See footnotes at end of table.

Dayton-Springfield MSA

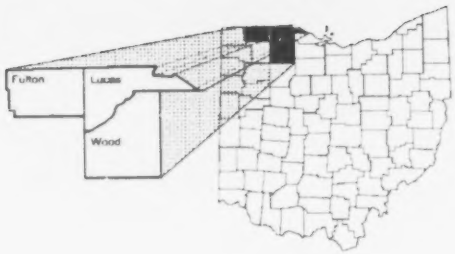
Nonagricultural Wage and Salary Employment, 1979-1987[a] (continued)
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Government	73.6	74.6	73.8	71.7	70.8	70.9	72.1	72.6	73.5
Federal Government	26.0	26.4	26.4	26.6	26.5	26.5	27.7	28.0	27.9
State Government	5.8	6.0	6.0	6.0	6.0	6.2	6.4	6.7	7.0
State Government Education[e]	.....	.....	.....	.....	3.5	3.6	3.8	4.0	4.2
Local Government	41.7	42.2	41.5	39.1	38.2	38.2	38.0	37.9	38.6
Local Government Education	26.4	26.5	26.1	24.7	23.3	23.5	23.4	23.3	23.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-6 (1979-1987)

Toledo Metropolitan Statistical Area



The estimated annual average civilian labor force in the Toledo metropolitan area, distributed by place of residence, increased 6,900 from 1988 to 317,900 in 1989. Total employment rose 6,300 over the year, while unemployment went up 700 to 18,900. The unemployment rate was unchanged from the 1988 level at 5.9 percent in 1989. (See table below.)

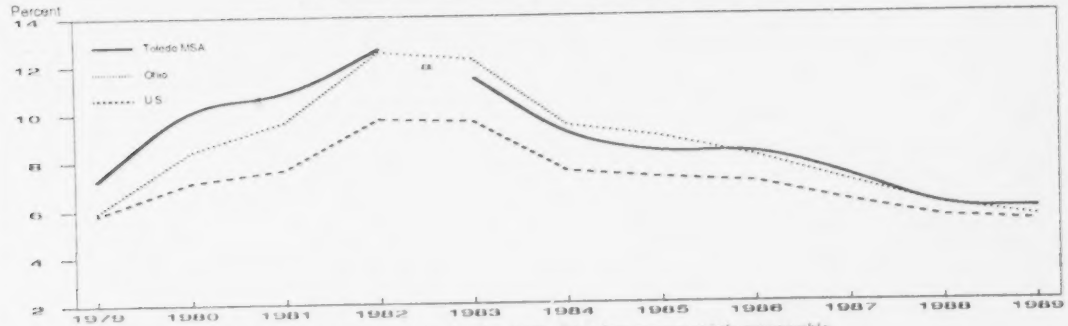
Nonagricultural wage and salary employment advanced 7,100 above the 1988 level to 293,700 in 1989, a growth rate of 2.5 percent. The number of jobs in service-producing industries, at 219,900, rose 7,300. Noteworthy expansion occurred in services (+3,000), retail trade (+1,900), and government (+1,000). Modest gains were posted in transportation and public utilities and in wholesale trade. Employment in goods-producing industries declined 200 over the year to 73,800. Production cutbacks among manufacturers of durable goods outweighed growth in construction. Reductions in transportation equipment, fabricated metal products, and food and kindred products negated an increase in rubber and miscellaneous plastics products.

Toledo MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
368.2	341.7	26.4	7.2	5.9	5.8	1979	268.2	88.0	180.2
368.2	329.8	38.4	10.4	8.4	7.1	1980	257.0	77.1	179.9
367.4	328.0	39.4	10.7	9.6	7.6	1981	254.2	75.6	178.7
369.4	323.0	46.4	12.6	12.5	9.7	1982	244.4	67.8	176.6
289.2[c]	256.1[c]	33.1[c]	11.4[c]	12.2	9.6	1983	245.3	67.1	178.2
293.5	267.3	26.2	8.9	9.4	7.5	1984	257.0	72.9	184.0
296.5	272.3	24.3	8.2	8.9	7.2	1985	264.5	74.5	190.1
307.1	281.2	25.8	8.4	8.1	7.0	1986	272.0	73.1	198.9
307.6	285.1	22.5	7.3	7.0	6.2	1987	278.0	72.5	205.5
311.0	292.7	18.2	5.9	6.0	5.5	1988	286.6	74.0	212.6
317.9	299.0	18.9	5.9	5.5	5.3	1989	293.7	73.8	219.9

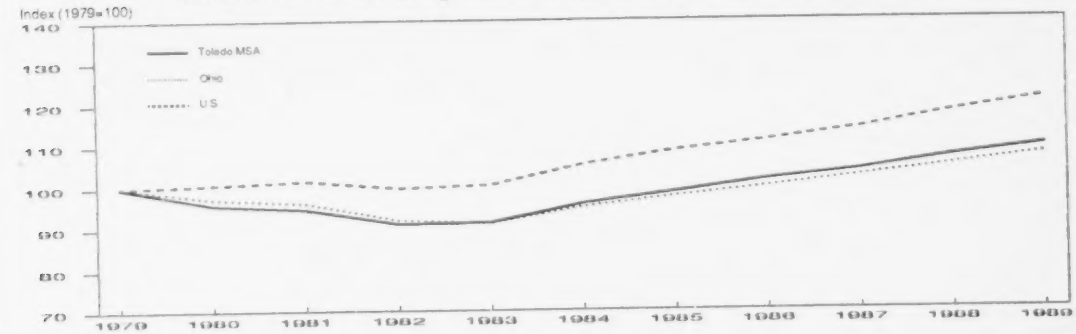
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

Toledo MSA, Ohio and U.S. Unemployment Rates

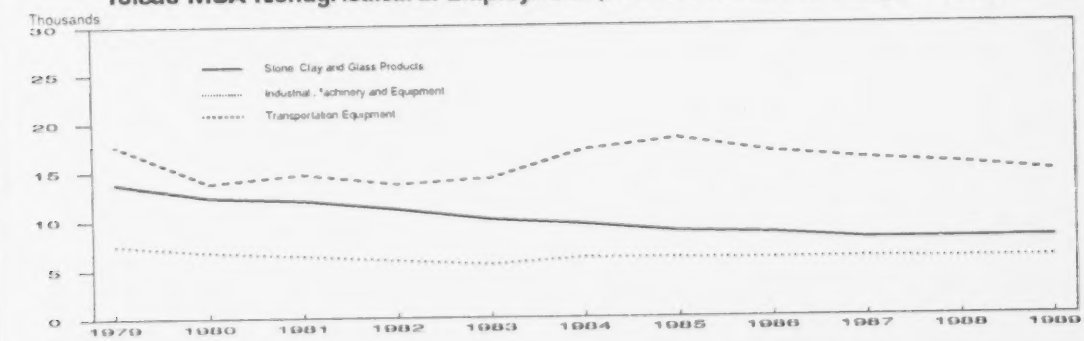


[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

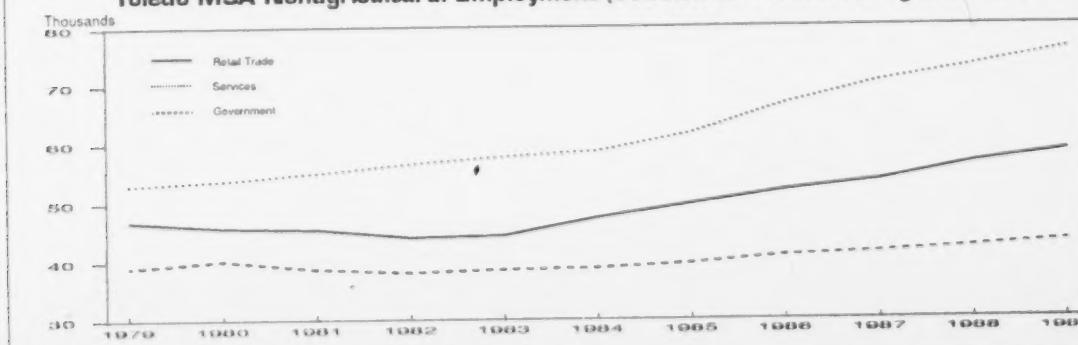
Indexes of Total Nonagricultural Wage and Salary Employment



Toledo MSA Nonagricultural Employment (Selected Goods-Producing Industries)



Toledo MSA Nonagricultural Employment (Selected Service-Producing Industries)



Toledo MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	293.7	288.1	287.7	290.7	293.0	295.8	294.0	289.8	290.1	296.6	298.1	299.3	300.7
Goods-Producing Industries[b]	73.8	72.9	72.6	73.4	74.2	74.7	74.5	74.0	74.7	74.5	73.6	73.4	73.0
Construction	11.9	10.1	10.0	10.6	11.4	11.9	12.2	12.6	12.7	12.9	13.3	12.9	12.3
Manufacturing	61.6	62.6	62.4	62.7	62.6	62.5	62.1	61.2	61.6	61.3	60.1	60.3	60.4
Durable Goods[c]	45.9	46.9	46.9	47.2	46.9	46.7	46.2	45.4	45.6	45.1	44.4	44.6	44.7
Stone, Clay, and Glass Products	8.0	8.1	8.1	8.1	7.9	7.9	8.0	7.9	8.0	8.0	8.0	8.0	7.9
Primary Metal Industries	3.5	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.4	3.5	3.5	3.3
Fabricated Metal Products	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.0	7.1	7.1	6.9	6.9	6.9
Metal Forgings and Stampings	2.8	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.6	2.6	2.6
Industrial Machinery and Equipment	6.0	6.2	6.2	6.4	6.2	6.1	6.2	5.9	5.9	5.8	5.7	5.7	5.7
Transportation Equipment	14.7	15.3	15.3	15.3	15.7	15.5	14.7	14.4	14.6	14.1	13.9	13.9	14.2
Nondurable Goods[d]	15.8	15.7	15.5	15.5	15.6	15.8	15.9	15.8	16.0	16.2	15.6	15.7	15.8
Food and Kindred Products	4.0	4.0	3.8	3.7	3.9	4.0	4.0	4.0	4.1	4.3	3.8	3.9	3.9
Rubber and Miscellaneous Plastics Products	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	4.3	4.3	4.3	4.3	4.2
Service-Producing Industries	219.9	215.2	215.1	217.3	218.8	221.1	219.4	215.8	215.4	222.1	224.4	225.9	227.7
Transportation and Public Utilities	14.3	13.6	13.6	13.7	13.8	14.1	14.3	14.4	14.6	14.6	14.5	14.7	15.2
Transportation	9.4	8.8	8.8	8.9	9.0	9.2	9.4	9.4	9.6	9.6	9.6	9.7	10.2
Communications, Electric, Gas Services	4.9	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.0	5.0	4.9	4.9	4.9
Wholesale Trade	15.8	15.3	15.3	15.5	15.7	15.7	15.9	16.0	15.9	16.0	16.1	16.0	15.9
Wholesale Trade-Durable Goods	10.5	10.3	10.2	10.4	10.4	10.4	10.5	10.6	10.5	10.6	10.6	10.6	10.5
Wholesale Trade-Nondurable Goods	5.3	5.1	5.1	5.1	5.3	5.3	5.4	5.4	5.4	5.4	5.5	5.4	5.4
Retail Trade	58.5	57.1	56.1	56.6	57.3	58.5	58.6	58.4	58.9	59.2	59.6	60.5	61.9
General Merchandise Stores	8.4	8.6	8.1	8.1	8.1	8.2	8.1	8.1	8.2	8.3	8.6	9.2	9.5
Finance, Insurance, and Real Estate	12.1	11.9	11.9	12.0	12.0	12.2	12.3	12.3	12.2	12.1	12.1	12.1	12.0
Finance	6.4	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.4	6.3	6.3	6.3	6.3
Insurance	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Services	75.9	72.9	73.3	74.2	74.9	75.5	76.9	77.0	77.1	77.6	77.3	77.1	77.1
Business Services	13.3	12.6	12.7	12.8	12.7	13.1	13.5	13.8	13.8	13.7	13.7	13.4	13.7
Personnel Supply Services	5.0	4.4	4.5	4.5	4.6	5.0	5.3	5.4	5.5	5.2	5.2	5.1	5.3
Health Services	27.5	27.1	27.2	27.4	27.4	27.5	27.6	27.7	27.8	27.8	27.6	27.7	27.7
Nursing and Personal Care Facilities	4.2	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.3	4.1	4.2	4.2
Hospitals	15.1	14.9	15.0	15.1	15.1	15.1	15.2	15.2	15.2	15.1	15.1	15.1	15.1
Engineering and Management Services	6.0	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.1	6.1	6.0	6.1	6.2

See footnotes at end of table.

Toledo MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.3	44.3	44.9	45.3	45.2	45.1	41.3	37.7	36.7	42.7	44.9	45.6	45.6
Federal Government	2.7	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
State Government	15.9	16.5	16.8	17.2	17.1	16.7	13.7	12.7	12.2	15.7	17.4	17.6	17.6
State Government Education[e]	11.7	12.4	12.7	13.0	12.9	12.5	9.4	8.3	7.9	11.5	13.2	13.4	13.3
Local Government	24.7	25.2	25.5	25.5	25.5	25.6	25.0	22.3	21.8	24.3	24.9	25.3	25.3
Local Government Education	14.3	14.8	15.2	15.2	15.0	15.2	14.3	11.6	11.3	14.1	14.5	15.0	15.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-7 (1989)

Toledo MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.26	$13.21	$13.40	$13.40	$13.11	$13.29	$13.23	$13.23	$13.27	$13.11	$13.31	$13.37	$13.14
Durable Goods[b]	13.49	13.55	13.70	13.73	13.22	13.54	13.44	13.46	13.46	13.37	13.52	13.52	13.36
Stone, Clay, and Glass Products	11.69	11.11	11.37	11.42	11.47	11.43	11.44	11.59	11.85	11.75	12.38	12.36	12.02
Primary Metal Industries	11.32	11.41	11.36	11.10	11.19	11.15	11.25	11.21	11.32	11.44	11.25	11.34	11.76
Fabricated Metal Products	11.33	11.95	11.50	11.54	11.21	11.17	11.23	10.96	11.25	11.24	11.14	11.17	11.51
Metal Forgings and Stampings	14.99	15.14	14.69	15.04	14.82	14.82	15.12	14.54	15.08	14.81	15.22	15.03	15.69
Industrial Machinery and Equipment	11.78	12.11	12.05	11.92	11.85	11.77	11.62	11.59	11.59	11.72	11.74	11.72	11.62
Transportation Equipment	17.04	16.97	17.29	17.44	16.57	17.15	17.00	17.08	16.97	16.94	17.11	17.16	16.69
Nondurable Goods[c]	12.44	12.02	12.28	12.12	12.72	12.40	12.55	12.49	12.66	12.23	12.54	12.71	12.47
Food and Kindred Products	13.73	12.86	13.38	12.98	13.94	14.08	14.30	14.25	14.24	13.06	13.53	13.81	14.15
Rubber and Miscellaneous Plastics Products	8.79	8.82	8.69	8.65	8.72	8.88	8.78	8.77	8.91	8.82	8.74	8.87	8.82
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.59	14.39	14.19	14.42	14.34	14.32	14.44	14.68	14.64	14.90	14.83	14.87	14.81
Wholesale Trade	10.18	9.82	9.87	10.00	10.10	10.18	10.22	10.34	10.14	10.37	10.36	10.32	10.43
Retail Trade[d]	5.93	5.71	5.81	5.83	5.85	5.83	5.90	5.89	5.98	6.06	6.04	6.10	6.14

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [l]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-7 (1989)

Toledo MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.5	43.2	44.5	44.5	43.0	44.0	43.2	42.8	43.4	43.1	43.6	43.9	43.0
Durable Goods[b]	43.7	43.5	45.1	45.3	42.8	44.3	43.0	42.7	43.1	43.4	43.6	43.8	43.2
Stone, Clay, and Glass Products	42.2	38.8	40.1	42.5	42.3	42.1	40.2	41.9	44.8	42.8	44.8	44.4	41.7
Primary Metal Industries	44.2	46.4	46.3	45.7	43.7	42.8	42.9	41.4	42.8	44.5	43.6	43.4	46.6
Fabricated Metal Products	43.3	46.1	45.3	45.6	42.1	43.4	41.7	40.9	41.3	43.4	42.2	43.2	44.5
Metal Forgings and Stampings	42.2	45.9	43.6	44.2	41.7	41.8	41.3	40.3	42.5	40.4	41.6	40.7	41.7
Industrial Machinery and Equipment	43.0	44.2	44.0	43.0	43.2	43.5	42.4	42.4	42.4	42.6	42.7	42.6	42.7
Transportation Equipment	44.9	43.8	47.5	47.2	42.8	46.8	45.2	44.6	44.5	44.2	44.5	44.7	42.8
Nondurable Goods[c]	43.0	42.5	42.4	41.7	43.6	42.8	43.9	43.2	44.2	42.3	43.4	43.8	42.6
Food and Kindred Products	44.3	43.2	41.7	41.4	44.8	44.0	46.7	46.1	48.4	41.2	43.9	44.7	45.6
Rubber and Miscellaneous Plastics Products	42.2	40.6	42.0	41.4	41.5	43.7	43.5	43.2	43.2	43.2	41.9	41.8	40.7
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.1	40.6	40.3	40.5	40.2	40.2	40.7	41.5	41.8	42.1	41.6	41.1	41.6
Wholesale Trade	39.8	39.1	39.7	39.5	39.4	39.9	39.7	40.1	40.1	39.7	40.4	39.7	39.8
Retail Trade	27.5	27.2	27.3	27.1	27.3	27.2	27.5	27.9	27.6	27.5	27.4	27.2	28.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-7 (1989)

Toledo MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$576.81	$570.67	$596.30	$596.30	$563.73	$584.76	$571.54	$566.24	$575.92	$565.04	$580.32	$586.94	$565.02
Durable Goods[b]	589.51	589.43	617.87	621.97	565.82	599.82	577.92	574.74	580.13	580.26	589.47	592.18	577.15
Stone, Clay, and Glass Products	493.32	431.07	455.94	485.35	485.18	481.20	459.89	485.62	530.88	502.90	554.62	548.78	501.23
Primary Metal Industries	500.34	529.42	525.97	507.27	489.00	477.22	482.63	464.09	484.50	509.08	490.50	492.16	548.02
Fabricated Metal Products	490.59	550.90	520.95	526.22	471.94	484.78	468.29	448.26	464.63	487.82	470.11	482.54	512.20
Metal Forgings and Stampings	632.58	694.93	640.48	664.77	617.99	619.48	624.46	585.96	640.90	598.32	633.15	611.72	654.27
Industrial Machinery and Equipment	506.54	535.26	530.20	512.56	511.92	512.00	492.69	491.42	491.42	499.27	501.30	499.27	496.17
Transportation Equipment	765.10	743.29	821.28	823.17	709.20	802.62	768.40	761.77	755.17	748.75	761.40	767.05	714.33
Nondurable Goods[c]	534.92	510.85	520.67	505.40	554.59	530.72	550.95	539.57	559.57	517.33	544.24	556.70	531.22
Food and Kindred Products	608.24	555.55	557.95	537.37	624.51	619.52	667.81	656.93	689.22	538.07	593.97	617.31	645.24
Rubber and Miscellaneous Plastics Products	370.94	358.09	364.98	358.11	361.88	388.06	381.93	378.86	384.91	381.02	366.21	370.77	358.97
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	599.65	584.23	571.86	584.01	576.47	575.66	587.71	609.22	611.95	627.29	616.93	611.16	616.10
Wholesale Trade	405.16	383.96	391.84	395.00	397.94	406.18	405.73	414.63	406.61	411.69	418.54	409.70	415.11
Retail Trade[d]	163.08	155.31	158.61	157.99	159.71	158.58	162.25	164.33	165.05	166.65	165.50	165.92	173.76
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	345.54	339.76	338.95	337.84	341.20	337.26	340.65	345.71	343.44	348.43	358.49	355.28	360.26

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-7 (1989)

Toledo MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	286.6	277.2	276.1	279.4	284.4	286.6	286.8	285.3	284.9	292.9	295.6	295.0	295.7
Goods-Producing Industries[b]	74.0	70.8	69.8	70.9	72.5	73.1	74.9	76.2	75.9	76.8	76.9	75.3	75.1
Construction	11.1	8.7	8.5	9.1	10.4	11.2	12.0	12.2	12.1	12.3	13.2	11.6	11.3
Manufacturing	62.7	61.9	61.2	61.7	61.8	61.7	62.7	63.7	63.6	64.2	63.5	63.4	63.6
Durable Goods[c]	47.3	47.2	46.8	47.0	47.1	46.7	47.2	47.7	47.2	47.4	47.5	47.6	47.6
Stone, Clay, and Glass Products	7.9	7.8	7.8	7.7	7.8	7.7	7.8	8.1	8.1	8.2	8.1	8.0	8.0
Primary Metal Industries	3.6	3.4	3.5	3.5	3.7	3.6	3.6	3.6	3.6	3.5	3.6	3.6	3.6
Fabricated Metal Products	7.4	7.1	7.1	7.2	7.3	7.4	7.6	7.5	7.4	7.5	7.4	7.4	7.4
Metal Forgings and Stampings	3.1	3.0	3.1	3.1	3.2	3.2	3.2	3.1	3.0	3.1	3.2	3.1	3.1
Industrial Machinery and Equipment	5.9	5.9	5.8	5.9	5.8	5.8	5.8	5.8	5.9	5.9	6.0	6.2	6.4
Transportation Equipment	15.6	16.0	15.7	15.7	15.6	15.3	15.6	15.6	15.4	15.4	15.5	15.6	15.5
Nondurable Goods[d]	15.5	14.6	14.4	14.6	14.7	14.9	15.5	16.0	16.3	16.8	16.0	15.8	16.0
Food and Kindred Products	4.2	3.7	3.8	3.8	3.9	4.0	4.2	4.5	4.8	5.1	4.3	4.0	4.1
Rubber and Miscellaneous Plastics Products	3.9	3.4	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.3	4.4	4.4
Service-Producing Industries	212.6	206.4	206.3	208.4	211.9	213.4	211.9	209.1	208.9	216.1	218.6	219.8	220.6
Transportation and Public Utilities	13.4	12.9	12.8	12.8	13.1	13.3	13.5	13.7	13.9	13.9	13.7	13.6	13.8
Transportation	8.6	8.1	8.0	8.1	8.4	8.5	8.6	8.7	8.8	8.9	8.8	8.8	8.9
Communications, Electric, Gas Services	4.9	4.7	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.0	4.9	4.8	4.9
Wholesale Trade	15.2	14.8	14.7	14.8	14.9	15.0	15.2	15.3	15.3	15.4	15.5	15.5	15.6
Wholesale Trade-Durable Goods	10.2	9.9	9.9	9.9	9.9	10.0	10.1	10.3	10.3	10.4	10.4	10.4	10.4
Wholesale Trade-Nondurable Goods	5.0	4.9	4.9	4.9	5.0	5.0	5.1	5.0	5.0	5.0	5.1	5.1	5.2
Retail Trade	56.6	54.0	53.0	53.6	55.5	56.2	56.8	56.3	57.4	57.5	58.5	59.5	60.9
General Merchandise Stores	8.4	8.4	7.8	7.8	7.8	7.7	7.8	7.8	8.2	8.3	9.0	9.7	10.1
Finance, Insurance, and Real Estate	12.2	12.2	12.1	12.2	12.2	12.2	12.3	12.3	12.3	12.1	12.1	12.2	12.2
Finance	6.3	6.2	6.2	6.3	6.3	6.3	6.4	6.3	6.4	6.4	6.3	6.3	6.4
Insurance	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9
Services	72.9	70.1	70.2	70.9	72.2	72.7	74.1	74.4	74.3	74.5	74.1	73.8	74.0
Business Services	12.8	12.2	12.2	12.2	12.2	12.5	13.1	13.3	13.3	13.2	13.1	13.0	13.0
Personnel Supply Services	4.8	4.7	4.6	4.6	4.3	4.5	5.1	5.1	5.1	4.8	4.7	4.8	4.8
Health Services	27.0	26.7	26.7	26.7	26.7	26.7	27.1	[illegible]	27.2	27.1	27.3	27.3	27.5
Nursing and Personal Care Facilities	4.1	4.0	4.0	4.0	4.0	4.1	4.1	4.3	4.3	4.3	4.2	4.2	4.2
Hospitals	15.0	15.0	15.0	15.0	15.0	14.9	15.0	15.0	15.0	15.0	15.0	15.1	15.1
/ Engineering and Management Services	5.5	5.1	5.1	5.2	5.3	5.3	5.4	5.6	5.6	5.7	5.6	5.7	5.8

See footnotes at end of table.

Toledo MSA

Nonagricultural Wage and Salary Employment, 1988[a] (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	42.3	42.5	43.5	44.0	43.9	43.9	40.0	37.0	35.8	42.8	44.7	45.1	44.2
Federal Government	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7
State Government	15.2	15.3	16.2	16.5	16.6	16.3	13.1	12.6	11.6	15.3	16.9	16.9	15.8
State Government Education[e]	11.1	11.2	12.2	12.4	12.5	12.2	9.0	8.3	7.4	11.1	12.7	12.8	11.6
Local Government	24.4	24.6	24.7	24.9	24.7	25.0	24.3	21.9	21.5	24.8	25.2	25.5	25.7
Local Government Education	14.0	14.4	14.6	14.7	14.4	14.6	13.7	11.2	10.9	14.3	14.8	15.1	15.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-7 (1988)

Toledo MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.12	$13.10	$12.75	$13.19	$13.23	$13.04	$13.17	$12.92	$12.94	$13.15	$13.19	$13.43	$13.30
Durable Goods[b]	13.49	13.54	13.19	13.59	13.68	13.46	13.56	13.27	13.17	13.53	13.50	13.75	13.60
Stone, Clay, and Glass Products	11.19	11.15	11.11	11.33	11.16	11.23	11.02	11.24	11.15	11.21	11.25	11.20	11.25
Primary Metal Industries	11.30	11.25	11.20	11.21	11.29	11.22	11.45	11.07	11.37	11.38	11.43	11.32	11.39
Fabricated Metal Products	12.42	12.97	12.88	12.81	12.77	12.73	12.62	12.15	12.09	12.22	12.01	11.89	11.99
Metal Forgings and Stampings	15.12	15.73	15.62	15.42	15.44	15.38	15.14	14.48	14.83	14.85	14.69	14.51	15.27
Industrial Machinery and Equipment	11.99	12.01	12.00	11.93	12.06	11.98	11.92	12.00	11.83	11.99	12.03	12.04	12.10
Transportation Equipment	16.70	16.27	15.81	16.66	16.87	16.44	16.87	16.47	16.41	16.99	16.98	17.35	17.02
Nondurable Goods[c]	11.82	11.70	11.26	11.66	11.53	11.40	11.69	11.68	12.23	11.93	12.07	12.31	12.27
Food and Kindred Products	13.12	12.47	12.41	13.37	12.66	12.78	12.84	12.92	13.77	12.97	13.25	14.03	13.67
Rubber and Miscellaneous Plastics Products	8.40	8.42	8.20	8.20	8.39	8.34	8.46	8.30	8.31	8.42	8.48	8.59	8.73
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.53	14.54	14.35	14.69	14.49	14.55	14.51	14.58	14.71	14.55	14.55	14.56	14.29
Wholesale Trade	9.81	9.62	9.61	9.64	9.62	9.72	9.76	9.94	10.05	9.95	9.99	9.88	9.86
Retail Trade[d]	5.60	5.55	5.54	5.62	5.60	5.57	5.57	5.55	5.53	5.59	5.67	5.68	5.70

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-7 (1988)

Toledo MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.2	43.6	41.1	42.9	43.1	42.2	43.2	41.9	42.3	44.4	44.2	44.9	44.1
Durable Goods[b]	43.2	43.9	41.1	42.9	43.1	42.4	43.5	41.8	42.0	44.3	44.3	45.1	44.5
Stone, Clay, and Glass Products	39.9	39.9	39.5	40.9	39.8	39.4	39.1	39.5	40.9	39.8	40.6	39.6	40.2
Primary Metal Industries	43.6	43.0	42.4	43.2	42.9	42.8	45.5	41.5	44.7	44.3	43.6	44.3	45.2
Fabricated Metal Products	43.5	46.4	43.5	42.2	42.0	42.6	43.4	40.9	41.3	43.9	44.5	44.8	46.3
Metal Forgings and Stampings	44.7	48.9	46.5	44.6	45.5	45.8	45.9	41.3	42.1	43.5	43.0	43.8	46.1
Industrial Machinery and Equipment	43.3	43.5	43.6	43.2	43.2	42.7	43.1	42.4	42.1	43.0	43.5	43.8	44.9
Transportation Equipment	44.6	45.1	38.7	44.4	45.8	43.9	46.0	42.8	41.7	45.7	46.1	48.6	45.5
Nondurable Goods[c]	42.8	42.6	41.4	42.5	42.8	41.5	42.2	42.2	43.5	44.7	43.4	44.2	42.7
Food and Kindred Products	45.0	45.3	43.0	44.2	43.7	42.3	42.7	43.9	47.1	48.8	44.5	48.1	45.3
Rubber and Miscellaneous Plastics Products	41.6	41.3	40.9	41.1	43.0	41.2	42.6	42.1	40.9	43.0	40.6	41.5	40.7
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.6	41.1	40.7	42.0	41.7	41.5	41.4	42.7	42.7	41.9	41.4	41.5	41.0
Wholesale Trade	39.0	38.5	38.3	38.6	38.8	38.8	38.7	39.2	39.5	38.8	39.9	39.8	39.5
Retail Trade	28.7	28.8	28.5	28.8	29.0	28.7	28.8	29.1	29.0	28.3	28.2	28.0	29.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-7 (1988)

Toledo MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$566.78	$571.16	$524 03	$565.85	$570.21	$550.29	$568.94	$541.35	$547.36	$583.86	$583.00	$603.01	$586.53
Durable Goods[b]	582.77	594.41	542.11	583.01	589.61	570.70	589.86	554.69	553.14	599.38	598.05	620.13	605.20
Stone, Clay, and Glass Products	446.48	444.89	438.85	463.40	444.17	442.46	430.88	443.98	456.04	446.16	456.75	443.52	452.25
Primary Metal Industries	492.68	483.75	474.88	484.27	484.34	480.22	520.98	459.41	508.24	504.13	498.35	501.48	514.83
Fabricated Metal Products	540.27	601.81	560.28	540.58	536.34	542.30	547.71	496.94	499.32	536.46	534.45	532.67	555.14
Metal Forgings and Stampings	675.86	769.20	726.33	687.73	702.52	704.40	694.93	598.02	624.34	645.98	631.67	635.54	703.95
Industrial Machinery and Equipment	519.17	522.44	523.20	515.38	520.99	511.55	513.75	508.80	498.04	515.57	523.31	527.35	543.29
Transportation Equipment	744.82	733.78	611.85	739.70	772.65	721.72	776.02	704.92	684.30	776.44	782.78	843.21	774.41
Nondurable Goods[c]	505.90	498.42	466.16	495.55	493.48	473.10	493.32	492.90	532.01	533.27	523.84	544.10	523.93
Food and Kindred Products	590.40	564.89	533.63	590.95	553.24	540.59	548.27	567.19	648.57	632.94	589.63	674.84	619.25
Rubber and Miscellaneous Plastics Products	349.44	347.75	335.38	337.02	360.77	343.61	360.40	349.43	339.88	362.06	344.29	356.49	355.31
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	604.45	597.59	584.05	616.98	604.23	603.83	600.71	622.57	628.12	609.65	602.37	604.24	585.89
Wholesale Trade	382.59	370.37	368.06	372.10	373.26	377.14	377.71	389.65	396.98	386.06	398.60	393.22	389.47
Retail Trade[d]	160.72	159.84	157.89	161.86	162.40	159.86	160.42	161.51	160.37	158.20	159.89	159.04	165.30

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-7 (1988)

Toledo MSA

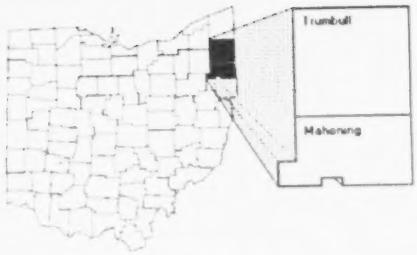
Nonagricultural Wage and Salary Employment, 1979-1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	268.2	257.0	254.2	244.4	245.3	257.0	264.5	272.0	278.0
Goods-Producing Industries[b]	88.0	77.1	75.6	67.8	67.1	72.9	74.5	73.1	72.5
Construction	10.3	10.5	9.5	7.4	7.3	7.9	8.5	9.5	10.1
Manufacturing	77.4	66.4	65.8	60.2	59.6	64.8	65.7	63.4	62.2
Durable Goods[c]	61.5	51.6	51.4	46.9	46.2	51.1	51.8	49.5	47.8
Stone, Clay, and Glass Products	13.8	12.4	12.0	11.1	10.1	9.5	8.8	8.6	7.9
Primary Metal Industries	5.0	3.8	3.5	2.9	3.0	3.4	3.5	3.4	3.3
Fabricated Metal Products	8.9	6.9	6.8	6.2	6.6	7.8	7.9	7.6	7.5
Metal Forgings and Stampings	4.2	3.1	3.2	2.9	3.1	3.7	3.7	3.3	3.2
Industrial Machinery and Equipment	7.5	6.8	6.4	5.9	5.5	6.2	6.1	6.0	6.1
Transportation Equipment	17.7	13.8	14.7	13.7	14.3	17.1	18.2	16.8	16.1
Nondurable Goods[c]	16.0	14.9	14.5	13.3	13.4	13.7	13.9	13.9	14.3
Food and Kindred Products	4.3	4.1	3.9	3.8	3.8	3.7	3.7	3.6	3.8
Rubber and Miscellaneous Plastics Products	2.9	2.3	2.4	2.1	2.3	2.8	2.9	2.9	3.0
Service-Producing Industries	180.2	179.9	178.7	176.6	178.2	184.0	190.1	198.9	205.5
Transportation and Public Utilities	17.7	16.5	15.6	14.4	13.8	14.2	13.9	13.8	13.7
Transportation	12.4	11.1	10.2	9.1	8.9	9.3	9.2	9.0	8.7
Communications, Electric, Gas Services	5.3	5.4	5.4	5.3	5.0	4.9	4.8	4.9	4.9
Wholesale Trade	14.3	14.0	14.2	13.9	14.0	15.2	14.8	14.6	14.7
Wholesale Trade-Durable Goods	.....	.....	.....	.....	9.2	10.3	10.0	9.8	9.9
Wholesale Trade-Nondurable Goods	.....	.....	.....	.....	4.8	4.8	4.8	4.8	4.8
Retail Trade	46.9	45.8	45.6	44.1	44.5	47.4	49.8	52.0	53.7
General Merchandise Stores	.....	.....	.....	.....	6.8	7.2	7.3	7.5	7.9
Finance, Insurance, and Real Estate	9.3	9.4	9.4	9.4	9.5	9.7	10.2	11.0	11.6
Services	53.0	53.9	55.1	56.6	57.8	58.7	61.7	66.6	70.3
Health Services	.....	.....	.....	.....	24.1	24.1	24.6	25.9	26.9
Hospitals	.....	.....	.....	.....	14.9	14.4	14.2	14.7	15.2
Government	39.0	40.2	38.7	38.1	38.6	38.8	39.6	40.9	41.5
Federal Government	2.5	2.6	2.4	2.2	2.4	2.4	2.5	2.6	2.6
State Government	12.7	13.5	13.4	13.8	13.6	13.9	14.2	14.7	14.9
State Government Education[e]	.....	.....	.....	.....	9.7	10.0	10.4	10.8	10.9
Local Government	23.8	24.1	22.9	22.1	22.6	22.5	22.9	23.5	23.9
Local Government Education	13.3	13.6	13.1	12.9	12.8	12.5	12.8	13.2	13.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-7 (1979-1987)

Youngstown-Warren Metropolitan Statistical Area



Based on place of residence, the estimated average annual civilian labor force in the Youngstown-Warren metropolitan area was 223,900 in 1989, up 2,600 from the 1988 level. Total employment gained 4,100, while unemployment declined 1,400 to 15,000 in 1989. The unemployment rate dropped from 7.4 percent in 1988 to 6.7 percent in 1989. (See table below.)

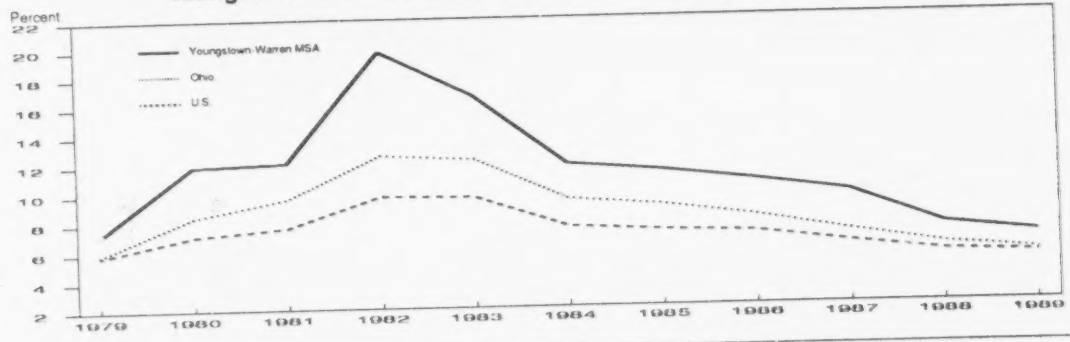
Nonagricultural wage and salary employment, at 198,100 in 1989, rose 4,300 above the 1988 level, a 2.2 percent gain. Expansion in service-producing industries added 4,600 employees to the workforce. Leading growth sectors were retail trade, up 5.3 percent or 2,100 jobs, and services, up 2.9 percent or 1,300 jobs. Employment in goods-producing industries decreased 200 from last year to 58,200 in 1989. Production cutbacks among manufacturers of durable goods, especially transportation equipment and primary metal industries, negated modest increases in construction employment.

Youngstown-Warren MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

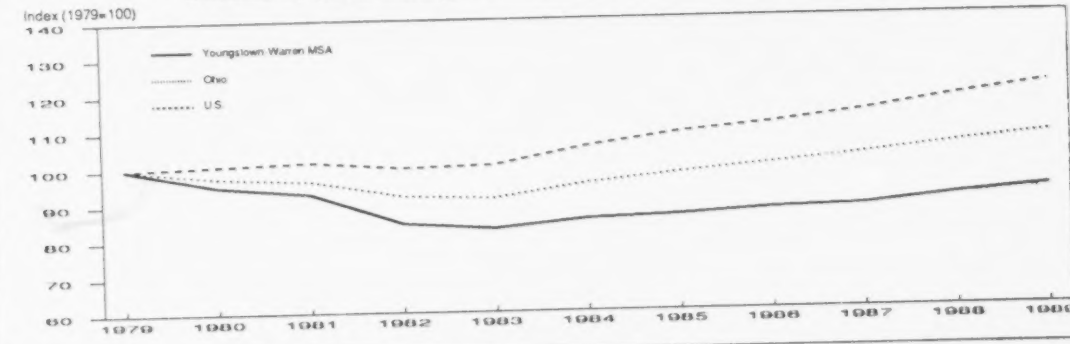
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment		Unemployment					Goods-Producing Industries	Service-Producing Industries
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
237.1	219.9	17.1	7.2	5.9	5.8	1979	213.9	87.4	126.5
238.9	210.5	28.4	11.9	8.4	7.1	1980	203.1	78.0	125.1
234.0	205.7	28.2	12.1	9.6	7.6	1981	198.7	74.5	124.2
237.0	190.3	46.6	19.7	12.5	9.7	1982	180.6	59.1	121.5
225.6	188.1	37.5	16.6	12.2	9.6	1983	177.4	58.3	119.2
222.2	195.9	26.3	11.8	9.4	7.5	1984	182.5	61.4	121.1
221.3	196.3	25.0	11.3	8.9	7.2	1985	184.2	59.7	124.5
223.7	200.0	23.7	10.6	8.1	7.0	1986	187.1	59.0	128.1
221.6	200.0	21.6	9.7	7.0	6.2	1987	188.3	56.8	131.5
221.3	204.9	16.4	7.4	6.0	5.5	1988	193.8	58.4	135.4
223.9	209.0	15.0	6.7	5.5	5.3	1989	198.1	58.2	140.0

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

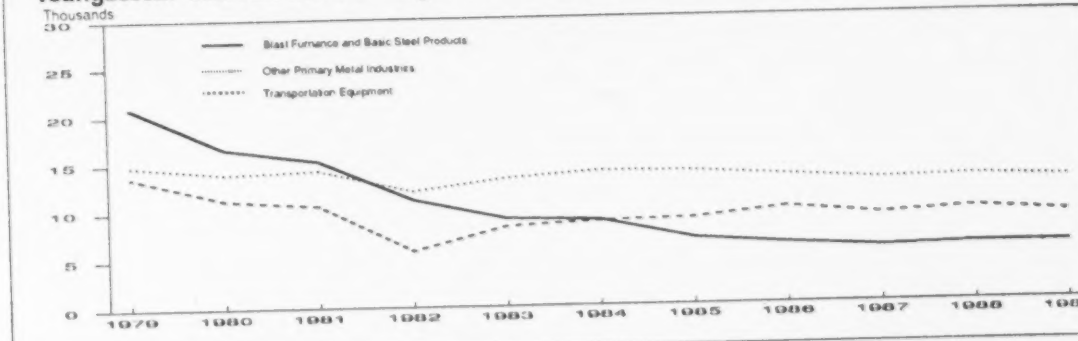
Youngstown–Warren MSA, Ohio and U.S. Unemployment Rates



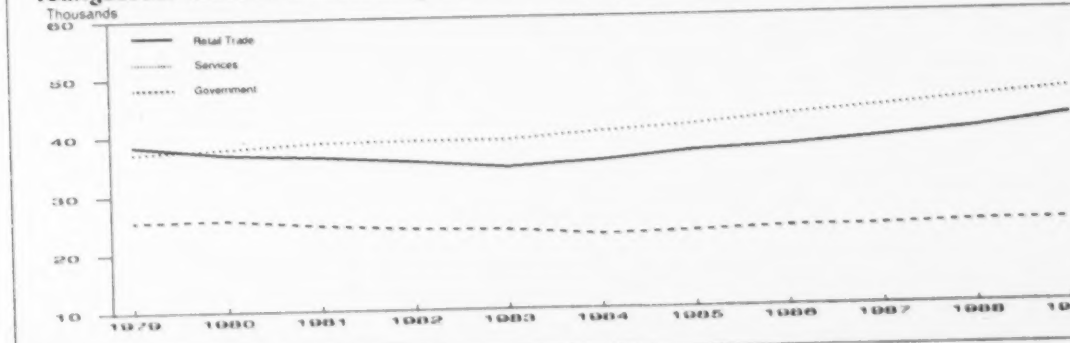
Indexes of Total Nonagricultural Wage and Salary Employment



Youngstown–Warren MSA Nonagricultural Employment (Selected Goods-Producing Industries)



Youngstown–Warren MSA Nonagricultural Employment (Selected Service-Producing Industries)



Youngstown-Warren MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	198.1	193.7	193.8	195.6	197.0	199.2	200.4	193.6	197.8	201.0	202.2	201.3	202.1
Goods-Producing Industries[b]	58.2	57.9	57.7	57.8	58.4	58.9	59.6	54.8	58.7	59.4	59.0	58.2	57.7
Construction	7.8	6.5	6.3	6.6	7.3	7.8	8.3	8.7	8.8	8.7	8.6	8.1	7.7
Manufacturing	50.0	51.0	51.0	50.8	50.7	50.7	50.8	45.7	49.5	50.2	50.0	49.7	49.6
Durable Goods[c]	44.9	46.0	45.8	45.7	45.7	45.8	45.8	40.5	44.2	45.0	44.7	44.4	44.5
Primary Metal Industries	18.6	19.1	19.0	18.8	19.0	19.0	18.9	18.1	18.2	18.7	16.4	18.2	18.1
Blast Furnace and Basic Steel Products	5.9	5.8	5.8	5.7	5.9	6.1	6.3	6.2	6.1	6.0	5.8	5.6	5.9
Fabricated Metal Products	7.4	7.5	7.5	7.6	7.5	7.6	7.5	7.1	7.1	7.5	7.5	7.4	7.5
Metal Forgings and Stampings	3.9	4.0	3.9	4.0	4.0	4.0	3.8	3.5	3.5	3.9	3.9	3.9	4.0
Industrial Machinery and Equipment	4.3	4.2	4.2	4.3	4.4	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3
Transportation Equipment	9.1	9.7	9.6	9.4	9.5	9.5	9.7	5.6	9.2	9.2	9.2	9.2	9.4
Nondurable Goods[d]	5.1	5.0	5.1	5.2	5.0	4.9	5.0	5.1	5.2	5.2	5.3	5.2	5.2
Service-Producing Industries	140.0	135.8	136.2	137.8	138.6	140.3	140.8	138.8	139.1	141.7	143.2	143.1	144.4
Transportation and Public Utilities	7.8	7.5	7.5	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	8.0
Wholesale Trade	11.0	10.5	10.6	10.7	10.6	10.8	11.0	11.0	11.0	11.0	11.2	11.5	11.6
Wholesale Trade-Durable Goods	7.0	6.8	6.8	6.8	6.9	6.9	7.1	7.1	7.1	7.0	7.1	7.2	7.2
Wholesale Trade-Nondurable Goods	4.0	3.8	3.8	3.9	3.8	3.9	3.9	3.9	4.0	4.0	4.2	4.3	4.5
Retail Trade	41.9	40.1	40.0	40.4	41.4	41.8	42.5	42.5	42.7	42.7	42.7	42.9	43.5
General Merchandise Stores	5.4	5.4	5.2	5.2	5.3	5.2	5.3	5.4	5.3	5.3	5.4	5.7	5.9
Finance, Insurance, and Real Estate	8.6	8.4	8.4	8.4	8.5	8.6	8.8	8.8	8.8	8.7	8.7	8.7	8.7
Finance	4.7	4.6	4.6	4.6	4.6	4.6	4.7	4.8	4.8	4.7	4.7	4.7	4.7
Services	46.5	44.7	45.0	45.4	45.8	46.3	46.9	47.3	47.1	48.1	47.4	46.9	46.9
Health Services	21.0	20.6	20.5	20.6	20.6	20.7	20.9	21.2	21.3	21.3	21.3	21.2	21.3
Nursing and Personal Care Facilities	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8
Hospitals	10.7	10.6	10.6	10.6	10.6	10.6	10.7	10.9	10.9	10.9	10.8	10.8	10.8
Government	24.2	24.5	24.8	25.2	24.5	25.0	23.8	21.5	21.6	23.3	25.3	25.2	25.5
State Government	4.2	4.1	4.5	4.7	4.2	4.6	4.6	3.4	3.4	3.4	4.6	4.4	4.5
State Government Education[e]	2.7	2.6	3.1	3.2	2.7	3.1	3.1	1.8	1.8	1.8	3.1	3.0	3.1
Local Government	17.9	18.3	18.2	18.5	18.2	18.3	17.1	15.9	16.1	17.9	18.6	18.7	18.8
Local Government Education	11.5	12.1	11.9	12.2	11.9	12.0	10.4	9.3	9.3	11.4	12.2	12.3	12.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-8 (1989)

Youngtown-Warren MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$14.01	$13.89	$13.70	$13.85	$13.87	$13.94	$14.05	$13.84	$14.05	$14.26	$14.26	$14.23	$14.14
Durable Goods[b]	14.32	14.14	14.01	14.17	14.18	14.22	14.32	14.15	14.38	14.62	14.63	14.60	14.46
Primary Metal Industries	15.49	15.28	15.15	15.12	15.27	15.24	15.52	15.51	15.72	15.94	15.92	15.79	15.46
Blast Furnace and Basic Steel Products	13.73	13.62	13.62	13.36	13.34	13.63	13.92	13.71	13.80	13.60	13.87	14.14	13.87
Fabricated Metal Products	13.59	13.49	13.45	13.45	13.53	13.62	13.68	13.54	13.45	13.71	13.77	13.77	13.58
Metal Forgings and Stampings	15.63	15.32	15.36	15.42	15.43	15.50	15.71	15.78	15.67	15.87	15.89	15.88	15.79
Industrial Machinery and Equipment	12.03	11.88	11.91	11.81	11.97	11.93	11.88	11.85	12.13	12.12	12.26	12.34	12.24
Transportation Equipment	15.42	14.82	14.82	15.42	15.31	15.35	15.27	15.32	15.42	15.78	15.86	15.92	15.97
Nondurable Goods[c]	10.30	10.31	10.01	10.02	10.24	10.38	10.71	10.56	10.49	10.29	10.15	10.27	10.22
Wholesale Trade	9.65	9.47	9.41	9.55	9.43	9.50	9.65	9.67	9.70	9.88	9.83	9.84	9.87
Retail Trade[d]	6.38	6.16	6.22	6.24	6.26	6.35	6.36	6.38	6.45	6.52	6.52	6.54	6.49

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-8 (1989)

Youngstown-Warren MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.8	43.3	42.4	43.0	42.5	43.3	42.6	42.0	42.0	43.4	43.3	43.4	42.2
Durable Goods[b]	43.1	43.8	42.7	43.4	42.9	43.7	42.9	42.4	42.1	43.7	43.6	43.6	42.4
Primary Metal Industries	42.4	43.3	42.4	41.3	42.3	42.6	43.0	42.2	41.7	43.8	43.0	42.3	40.6
Blast Furnace and Basic Steel Products	44.9	43.7	44.5	42.7	44.4	45.1	46.6	45.3	45.3	45.8	46.3	45.7	43.9
Fabricated Metal Products	44.8	44.7	43.8	45.1	45.4	46.3	46.1	43.8	43.7	45.4	45.5	44.9	42.9
Metal Forgings and Stampings	45.9	46.6	45.3	47.0	47.0	47.6	46.7	45.1	43.5	46.7	45.6	46.3	43.2
Industrial Machinery and Equipment	42.3	43.3	42.9	42.1	42.7	42.0	41.5	40.8	42.4	42.4	42.6	43.3	42.1
Transportation Equipment	45.2	46.1	43.6	48.0	43.9	46.5	43.1	45.3	43.1	44.2	45.5	46.1	46.4
Nondurable Goods[c]	39.4	37.6	39.0	38.8	38.3	38.7	39.0	38.0	40.8	40.6	40.4	41.3	39.7
Wholesale Trade	38.7	39.2	38.8	39.0	38.7	38.0	38.5	38.5	38.9	39.1	38.9	38.7	38.3
Retail Trade	28.6	28.7	28.9	28.6	28.8	29.1	28.5	28.6	28.9	28.3	28.1	27.9	28.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-8 (1989)

Youngstown-Warren MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$599.63	$601.44	$580.88	$595.55	$589.48	$603.60	$598.53	$581.28	$590.10	$618.88	$617.46	$617.58	$596.71
Durable Goods[b]	617.19	619.33	598.23	614.98	608.32	621.41	614.33	599.96	605.40	638.89	637.87	636.56	613.10
Primary Metal Industries	656.78	661.62	642.36	624.46	645.92	649.22	667.36	654.52	655.52	698.17	684.56	667.92	627.68
Blast Furnace and Basic Steel Products	616.48	595.19	606.09	570.47	592.30	614.71	648.67	621.06	625.14	632.04	642.18	646.20	608.89
Fabricated Metal Products	608.83	603.00	589.11	606.60	614.26	630.61	630.65	593.05	587.77	622.43	626.54	618.27	582.58
Metal Forgings and Stampings	717.42	713.91	695.81	724.74	725.21	737.80	733.66	711.68	681.65	741.13	724.58	735.24	682.13
Industrial Machinery and Equipment	508.87	514.40	510.94	497.20	511.12	501.06	493.02	483.48	514.31	513.89	522.28	534.32	515.30
Transportation Equipment	696.98	683.20	646.15	740.16	672.11	713.78	658.14	694.00	664.60	697.48	721.63	733.91	741.01
Nondurable Goods[c]	405.82	387.66	390.39	388.78	392.19	401.71	417.69	401.28	427.99	417.77	410.06	424.15	405.73
Wholesale Trade	373.46	371.22	365.11	372.45	364.94	361.00	371.53	372.30	377.33	386.31	382.39	380.81	378.02
Retail Trade[d]	182.47	176.79	179.76	178.46	180.29	184.79	181.26	182.47	186.41	184.52	183.21	182.47	186.91
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	219.99	217.14	226.30	218.40	223.66	218.14	219.87	218.92	216.57	223.28	218.73	218.56	220.51

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-8 (1989)

Youngstown-Warren MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	193.8	187.2	187.7	189.4	192.0	195.6	196.8	192.3	192.7	197.4	197.7	198.9	197.7
Goods-Producing Industries[b]	58.4	55.8	55.8	56.6	57.7	58.8	59.7	57.6	59.3	60.7	60.3	60.2	58.1
Construction	7.3	5.8	5.6	6.0	6.8	7.8	8.0	8.2	8.4	8.2	8.0	7.6	7.3
Manufacturing	50.5	49.4	49.6	50.0	50.3	50.4	51.1	48.9	50.4	51.9	51.8	52.2	50.3
Durable Goods[c]	45.4	44.3	44.6	45.0	45.2	45.3	46.0	43.8	45.2	46.6	46.6	46.9	45.2
Primary Metal Industries	19.0	18.3	18.5	18.7	18.9	19.0	19.4	18.1	18.8	19.3	19.4	19.5	19.5
Blast Furnace and Basic Steel Products	6.0	5.9	5.9	5.9	6.0	6.0	6.0	6.0	5.9	5.9	6.0	6.0	6.0
Fabricated Metal Products	7.3	7.1	7.1	7.3	7.4	7.3	7.4	6.9	7.2	7.6	7.6	7.6	7.6
Metal Forgings and Stampings	3.8	3.8	3.7	3.9	3.9	3.8	3.8	3.2	3.5	3.8	3.8	3.9	3.9
Industrial Machinery and Equipment	4.1	3.9	3.9	4.0	4.0	4.0	4.1	4.0	4.1	4.1	4.2	4.2	4.3
Transportation Equipment	9.6	9.7	9.8	9.8	9.6	9.7	9.7	9.3	9.5	10.0	9.8	10.0	8.1
Nondurable Goods[d]	5.1	5.0	5.0	5.0	5.1	5.1	5.2	5.1	5.2	5.3	5.2	5.3	5.1
Service-Producing Industries	135.4	131.4	131.9	132.8	134.3	136.9	137.2	134.6	133.4	136.7	137.5	138.7	139.7
Transportation and Public Utilities	7.7	7.3	7.3	7.4	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9
Wholesale Trade	10.3	9.7	9.8	9.8	10.1	10.4	10.5	10.5	10.5	10.4	10.5	10.5	10.7
Wholesale Trade-Durable Goods	6.7	6.3	6.3	6.4	6.6	6.9	6.9	6.8	6.8	6.7	6.8	6.9	7.0
Wholesale Trade-Nondurable Goods	3.6	3.4	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.8
Retail Trade	39.8	38.7	38.0	38.2	39.2	39.7	40.2	40.4	40.1	40.0	40.4	41.1	41.8
General Merchandise Stores	5.3	5.5	5.2	5.1	5.1	5.0	5.1	5.0	5.0	5.1	5.3	5.7	6.0
Finance, Insurance, and Real Estate	8.3	8.1	8.1	8.1	8.2	8.3	8.5	8.4	8.5	8.4	8.4	8.4	8.5
Finance	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.6
Services	45.2	43.2	43.5	44.1	44.4	45.3	45.8	45.9	45.6	46.6	46.2	45.8	45.6
Health Services	20.3	20.0	19.9	20.0	20.0	20.2	20.2	20.5	20.5	20.6	20.6	20.5	20.8
Nursing and Personal Care Facilities	4.5	4.4	4.4	4.5	4.5	4.5	4.4	4.5	4.5	4.6	4.6	4.6	4.6
Hospitals	10.5	10.4	10.4	10.4	10.4	10.5	10.5	10.6	10.7	10.6	10.6	10.5	10.6
Government	24.1	24.3	25.2	25.2	24.6	25.3	24.3	21.7	20.9	23.4	24.1	25.0	25.1
State Government	4.1	4.0	4.5	4.5	4.1	4.4	4.4	3.7	3.3	3.3	4.1	4.5	4.6
State Government Education[e]	2.6	2.5	3.0	3.0	2.6	2.9	2.9	2.1	1.8	1.8	2.6	3.0	3.1
Local Government	17.9	18.3	18.6	18.6	18.4	18.8	17.8	15.9	15.4	17.9	17.9	18.4	18.4
Local Government Education	11.6	12.2	12.5	12.4	12.3	12.6	11.4	9.4	9.0	11.6	11.7	12.2	12.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-8 (1988)

Youngstown-Warren MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.59	$13.37	$13.42	$13.49	$13.63	$13.66	$13.68	$13.51	$13.48	$13.67	$13.71	$13.76	$13.74
Durable Goods[b]	13.89	13.64	13.69	13.76	13.93	13.93	13.97	13.81	13.77	13.99	14.03	14.07	14.05
Primary Metal industries	15.01	14.63	14.66	14.72	15.10	15.04	15.19	15.00	14.92	15.13	15.23	15.26	15.20
Blast Furnace and Basic Steel Products	13.71	13.56	13.97	13.92	13.62	13.72	13.77	13.74	13.52	13.41	13.59	13.73	13.90
Fabricated Metal Products	13.32	13.14	13.20	13.24	13.40	13.42	13.48	13.08	13.10	13.36	13.49	13.50	13.35
Metal Forgings and Stampings	15.13	14.96	14.99	15.05	15.20	15.11	15.12	15.09	15.01	15.17	15.22	15.22	15.35
Industrial Machinery and Equipment	11.58	11.67	11.47	11.51	11.51	11.42	11.46	11.54	11.58	11.70	11.66	11.66	11.73
Transportation Equipment	14.69	14.70	14.69	14.74	14.67	14.71	14.68	14.67	14.52	14.70	14.63	14.70	14.91
Nondurable Goods[c]	10.10	10.05	9.98	10.10	9.95	10.32	10.37	10.19	10.20	9.93	9.99	10.04	10.05
Wholesale Trade	9.36	9.20	9.23	9.27	9.29	9.41	9.22	9.37	9.28	9.39	9.49	9.52	9.57
Retail Trade[d]	6.02	5.97	5.99	6.00	6.00	5.96	6.04	6.05	6.01	6.02	6.00	6.09	6.09

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-8 (1988)

Youngstown-Warren MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.3	41.7	41.3	41.3	41.8	43.4	42.5	42.0	41.3	43.1	42.7	43.1	43.2
Durable Goods[b]	42.6	41.9	41.6	41.6	42.1	43.8	42.7	42.4	41.7	43.4	43.0	43.5	43.7
Primary Metal Industries	42.7	41.6	41.6	41.6	42.9	42.9	43.4	41.8	41.9	43.4	43.7	44.0	43.7
Blast Furnace and Basic Steel Products	45.6	44.6	47.3	47.0	44.3	45.1	45.6	45.8	44.7	45.5	45.6	45.1	46.3
Fabricated Metal Products	42.6	41.4	41.2	41.7	43.0	44.0	44.1	41.7	41.4	41.8	43.9	44.5	42.4
Metal Forgings and Stampings	43.0	41.9	41.2	42.4	43.6	44.4	44.3	42.1	40.4	41.9	44.3	45.3	43.2
Industrial Machinery and Equipment	42.4	43.3	42.5	42.2	41.5	41.6	40.8	42.2	41.7	43.3	43.0	42.7	43.9
Transportation Equipment	43.6	42.7	42.3	42.3	41.7	47.4	42.2	44.6	41.9	45.4	42.5	43.8	46.9
Nondurable Goods[c]	38.5	37.7	37.3	37.8	38.2	38.5	39.7	38.5	37.7	39.9	39.1	39.2	37.7
Wholesale Trade	38.9	37.6	38.1	37.8	38.8	38.5	38.6	38.7	39.6	39.6	39.7	39.6	39.4
Retail Trade	29.2	28.6	28.6	28.7	28.8	29.4	29.5	29.7	29.6	29.1	29.1	28.9	30.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-8 (1988)

Youngstown-Warren MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1988[a]

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$574.86	$557.53	$554.25	$557.14	$569.73	$592.84	$581.40	$567.42	$556.72	$589.18	$585.42	$593.06	$593.57
Durable Goods[b]	591.71	571.52	569.50	572.42	586.45	610.13	596.52	585.54	574.21	607.17	603.29	612.05	613.99
Primary Metal Industries	640.93	608.61	609.86	612.35	647.79	645.22	659.25	627.00	625.15	656.64	665.55	671.44	664.24
Blast Furnace and Basic Steel Products	625.18	604.78	660.78	654.24	603.37	618.77	627.91	629.29	604.34	610.16	619.70	619.22	643.57
Fabricated Metal Products	567.43	544.00	543.84	552.11	576.20	590.48	594.47	545.44	542.34	558.45	592.21	600.75	566.04
Metal Forgings and Stampings	650.59	626.82	617.59	638.12	662.72	670.88	669.82	635.29	606.40	635.62	674.25	689.47	663.12
Industrial Machinery and Equipment	490.99	505.31	487.48	485.72	477.67	475.07	467.57	486.99	482.89	506.61	501.38	497.88	514.95
Transportation Equipment	640.48	627.69	621.39	623.50	611.74	697.25	619.50	654.28	608.39	667.38	621.78	643.86	699.28
Nondurable Goods[c]	388.85	378.89	372.25	381.78	380.09	397.32	411.69	392.32	384.54	396.21	390.61	393.57	378.89
Wholesale Trade	364.10	345.92	351.66	350.41	360.45	362.29	355.89	362.62	367.49	371.84	376.75	376.99	377.06
Retail Trade[d]	175.78	170.74	171.31	172.20	172.80	175.22	178.18	179.69	177.90	175.18	174.60	176.00	184.53

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-8 (1988)

Youngstown-Warren MSA

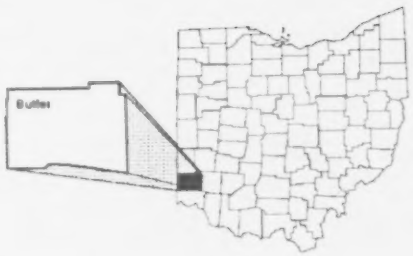
Nonagricultural Wage and Salary Employment, 1979-1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	213.9	203.1	198.7	180.6	177.4	182.5	184.2	187.1	188.3
Goods-Producing Industries[b]	87.4	78.0	74.5	59.1	58.3	61.4	59.7	59.0	56.8
Construction	7.0	6.6	6.4	5.3	4.8	5.5	6.3	6.7	7.3
Manufacturing	79.9	70.8	67.3	52.9	52.8	55.1	52.7	51.7	48.9
Durable Goods[c]	73.9	65.0	61.8	48.0	47.7	49.8	47.5	46.4	43.8
Primary Metal Industries	35.7	30.5	29.5	23.2	22.4	22.8	20.7	19.5	18.5
Blast Furnace and Basic Steel Products	20.9	16.6	15.2	11.2	9.0	8.8	6.8	6.2	5.7
Fabricated Metal Products	9.6	9.2	9.1	7.8	7.6	8.1	7.9	7.7	7.1
Metal Forgings and Stampings	.....	.....	.....	.....	3.7	4.4	4.3	4.3	3.8
Industrial Machinery and Equipment	6.6	6.5	5.7	4.3	3.7	4.0	4.0	3.8	3.6
Transportation Equipment	13.7	11.2	10.5	5.8	8.3	8.8	8.9	9.9	9.1
Nondurable Goods[d]	6.0	5.8	5.5	4.9	5.0	5.3	5.2	5.3	5.1
Service-Producing Industries	126.5	125.1	124.2	121.5	119.2	121 1	124.5	128.1	131.5
Transportation and Public Utilities	10.1	9.6	9.2	8.2	7.6	7.7	7.6	7.5	7.6
Wholesale Trade	8.2	7.9	8.1	7.9	7.7	8.3	8.6	9.0	9.6
Wholesale Trade Durable Goods	.....	.....	.....	.....	5.2	5.5	5.7	5.9	6.1
Wholesale Trade-Nondurable Goods	.....	.....	.....	.....	2.6	2.8	2.9	3.1	3.5
Retail Trade	38.5	36.9	36.3	35.4	34.3	35.2	36.6	37.4	38.6
General Merchandise Stores	.....	.....	.....	.....	6.1	6.0	6.2	5.7	5.5
Finance, Insurance, and Real Estate	7.0	7.1	7.1	7.1	7.1	7.2	7.5	8.0	8.2
Services	37.2	37.9	38.8	38.9	38.9	40.1	41.1	42.6	43.8
Health Services	.....	.....	.....	.....	17.6	17.8	18.1	19.0	19.6
Hospitals	.....	.....	.....	.....	10.4	10.1	9.9	10.1	10.2
Government	25.6	25.8	24.6	24.0	23.6	22.6	23.0	23.5	23.7
State Government	.....	.....	.....	.....	3.7	3.7	3.8	4.0	4.1
State Government Education[e]	.....	.....	.....	.....	2.2	2.3	2.3	2.5	2.6
Local Government	20.4	20.2	19.2	18.5	18.0	17.0	17.3	17.5	17.6
Local Government Education	.....	.....	.....	.....	11.2	10.6	10.9	11.1	11.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1989 benchmark. Includes full- and part time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4 5-90 RS-790-1-8 (1979-1987)

Hamilton-Middletown
Primary Metropolitan Statistical Area



In the Hamilton-Middletown metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 1,100 from 1988 to 132,200 in 1989. Total employment gained 1,700 over the year, while unemployment registered a decrease of 600. The unemployment rate dropped from 6.2 percent in 1988 to 5.8 percent in 1989. (See table below.)

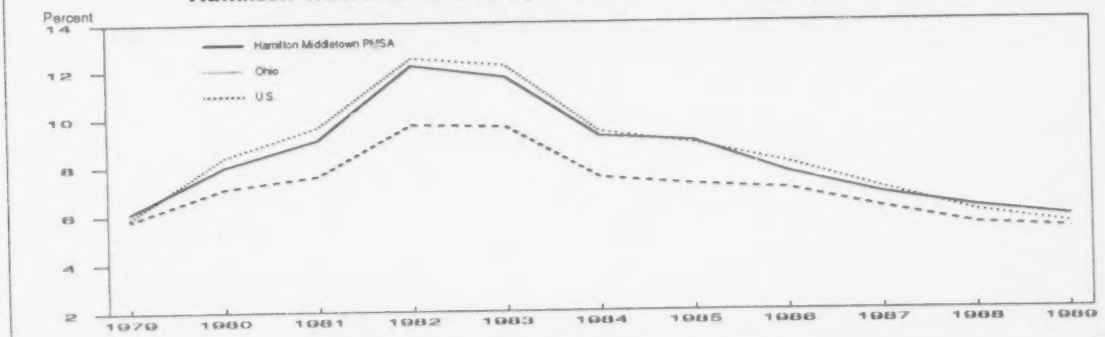
Nonagricultural wage and salary employment, at 94,800 in 1989, rose 1,200 above the 1988 level, a growth rate of 1.3 percent. The number of jobs in service-producing industries increased 1,600. Primary areas of expansion were government (+700) and services (+600). Noteworthy gains also occurred in transportation and public utilities and in wholesale trade. Employment in goods-producing industries declined 400 from 1988 to 27,800 in 1989. Reductions among manufacturers of durable and nondurable goods negated modest improvements in construction and mining. Over-the-year cutbacks in fabricated metal products and paper and allied products more than offset growth in primary metal industries.

Hamilton–Middletown PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

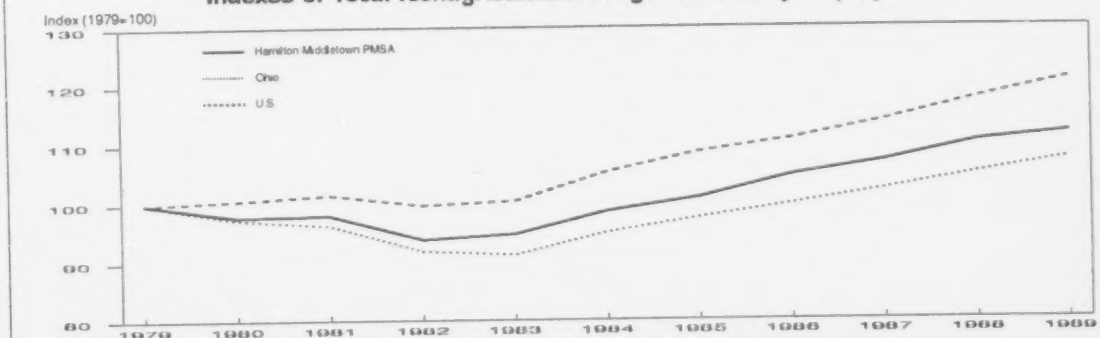
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment		Unemployment					Goods–Producing Industries	Service–Producing Industries
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
109.4	102.7	6.7	6.1	5.9	5.8	1979	84.9	34.0	50.8
109.9	101.1	8.8	8.0	8.4	7.1	1980	83.0	31.8	51.3
111.2	101.1	10.1	9.1	9.6	7.6	1981	83.2	31.8	51.4
112.2	98.5	13.7	12.2	12.5	9.7	1982	79.7	28.6	51.1
113.0	99.7	13.2	11.7	12.2	9.6	1983	80.5	28.2	52.3
123.8	112.4	11.4	9.2	9.4	7.5	1984	83.7	29.5	54.2
125.5	114.1	11.4	9.0	8.9	7.2	1985	85.7	28.9	56.8
128.8	118.9	9.9	7.7	8.1	7.0	1986	88.8	29.1	59.7
128.9	120.1	8.8	6.8	7.0	6.2	1987	90.8	28.0	62.8
131.1	122.9	8.2	6.2	6.0	5.5	1988	93.6	28.2	65.4
132.2	124.6	7.6	5.8	5.5	5.3	1989	94.8	27.8	67.0

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

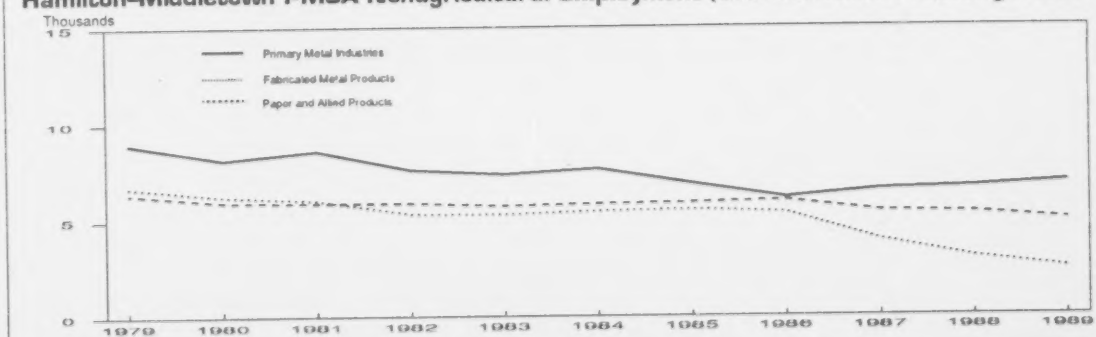
Hamilton–Middletown PMSA, Ohio and U.S. Unemployment Rates



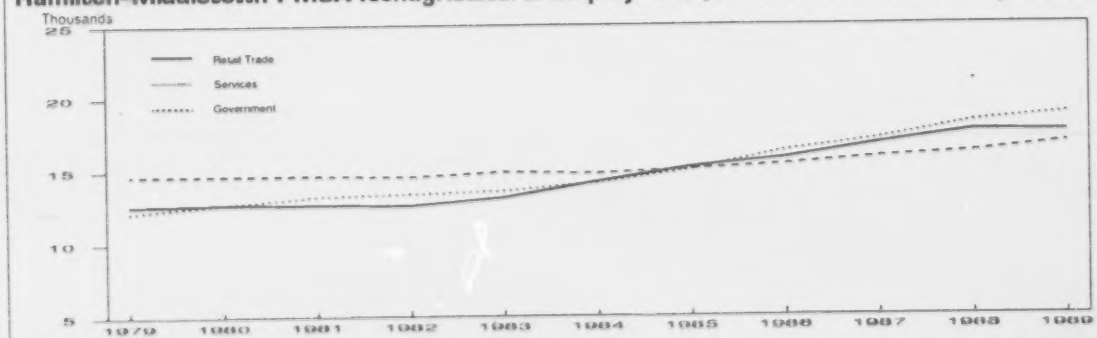
Indexes of Total Nonagricultural Wage and Salary Employment



Hamilton–Middletown PMSA Nonagricultural Employment (Selected Goods–Producing Industries)



Hamilton–Middletown PMSA Nonagricultural Employment (Selected Service–Producing Industries)



Hamilton–Middletown PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	94.8	93.3	93.4	94.6	95.4	95.9	93.3	93.1	93.0	96.0	96.2	96.7	96.7
Goods–Producing Industries	27.8	27.2	27.2	27.3	27.3	27.7	28.0	28.3	28.1	28.2	28.2	28.3	28.1
Construction and Mining	5.5	4.8	4.8	5.0	5.3	5.5	5.7	5.9	5.8	5.7	5.8	5.8	5.9
Manufacturing	22.3	22.4	22.5	22.3	22.0	22.3	22.3	22.4	22.4	22.5	22.4	22.5	22.2
Durable Goods[c]	15.4	15.4	15.5	15.3	15.1	15.5	15.4	15.5	15.4	15.6	15.5	15.6	15.4
Primary Metal Industries	6.9	6.8	6.7	6.7	6.7	7.0	6.9	6.9	7.0	7.0	7.1	7.2	7.1
Fabricated Metal Products	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.4
Industrial Machinery and Equipment	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
Nondurable Goods[d]	6.9	7.0	7.0	7.0	6.9	6.8	6.9	7.0	6.9	6.9	6.9	6.9	6.8
Paper and Allied Products	5.0	5.1	5.1	5.1	5.0	4.9	4.9	5.0	5.0	5.0	4.9	4.9	4.8
Paper Mills	3.7	3.8	3.8	3.8	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.6
Service–Producing Industries	67.0	66.1	66.2	67.3	68.1	68.1	65.4	64.8	64.9	67.8	68.0	68.4	68.6
Transportation and Public Utilities	3.3	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.3	3.4
Wholesale Trade	5.7	5.6	5.6	5.7	5.6	5.7	5.7	5.7	5.6	5.6	5.6	5.7	5.6
Wholesale Trade–Durable Goods	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9
Retail Trade	17.6	17.0	17.4	17.5	17.7	17.8	17.7	17.6	17.7	17.6	17.4	17.5	17.7
Food Stores	3.1	3.1	3.1	3.1	3.1	3.2	3.1	3.2	3.1	3.1	3.0	3.0	3.0
Finance, Insurance, and Real Estate	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7
Services	18.8	17.7	17.9	18.0	18.8	18.9	19.3	19.5	19.4	19.3	19.1	19.1	19.0
Health Services	8.1	7.9	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.1	8.2	8.3	8.3
Government	16.8	17.6	17.2	17.9	17.8	17.6	14.6	13.9	14.0	17.1	17.9	18.1	18.1
State Government (Includes Education)	6.5	7.5	7.0	7.6	7.5	7.1	4.0	3.5	3.8	6.7	7.5	7.7	7.8
Local Government	9.7	9.5	9.7	9.7	9.8	9.9	10.0	9.8	9.6	9.8	9.7	9.8	9.7
Local Government Education	6.3	6.1	6.3	6.4	6.3	6.4	6.4	6.0	5.9	6.2	6.3	6.4	6.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [t]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-9 (1989)

Hamilton–Middletown PMSA

Average Hourly Earnings of Production Workers or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.36	$13.35	$13.42	$13.53	$13.39	$13.42	$13.39	$13.31	$13.36	$13.30	$13.21	$13.24	$13.39
Durable Goods[b]	13.58	13.64	13.71	13.84	13.62	13.67	13.62	13.51	13.54	13.45	13.37	13.43	13.58
Primary Metal Industries	14.97	15.16	15.16	15.18	15.15	15.15	15.06	15.04	14.90	14.77	14.58	14.65	14.72
Fabricated Metal Products	12.26	12.81	12.72	12.95	12.25	12.32	12.15	11.69	11.89	11.80	12.21	12.13	12.29
Industrial Machinery and Equipment	12.98	12.88	12.94	13.07	12.73	12.74	12.95	12.99	13.02	12.98	13.19	13.06	13.20
Nondurable Goods[c]	12.80	12.65	12.68	12.71	12.81	12.76	12.81	12.79	12.91	12.94	12.83	12.87	12.91
Paper and Allied Products	13.12	13.01	13.06	13.07	13.10	13.10	13.14	13.11	13.22	13.22	13.12	13.13	13.17
Paper Mills	13.38	13.28	13.31	13.36	13.39	13.34	13.38	13.38	13.46	13.52	13.39	13.38	13.43
Wholesale Trade	10.15	10.01	9.82	9.95	9.85	10.08	10.13	10.14	10.30	10.35	10.45	10.37	10.35
Retail Trade[d]	5.85	5.89	5.85	5.90	5.86	5.81	5.84	5.84	5.80	5.82	5.86	5.84	5.92

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 4321[illegible] 4-5-90 RS-790-4-9 (1989)

Hamilton–Middletown PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	45.4	44.6	45.0	45.9	45.6	46.3	46.2	45.4	45.6	45.1	44.5	44.6	45.6
Durable Goods[b]	45.5	44.4	45.4	46.5	46.0	47.0	46.6	45.6	45.7	44.6	44.4	44.2	45.3
Primary Metal Industries	47.1	45.9	47.2	49.7	48.7	49.3	49.0	49.1	47.0	45.1	44.0	44.1	46.6
Fabricated Metal Products	42.5	42.4	41.7	41.5	41.2	43.5	42.3	40.3	43.5	42.1	45.2	43.0	43.2
Industrial Machinery and Equipment	49.7	46.7	48.9	49.9	50.4	51.1	53.0	48.8	49.4	48.5	49.8	50.1	50.4
Nondurable Goods[c]	45.1	45.2	44.0	44.3	44.7	44.7	45.4	44.7	45.1	46.3	45.0	45.7	46.5
Paper and Allied Products	46.5	47.2	45.8	46.1	45.8	45.8	46.4	45.8	46.4	47.9	46.2	46.9	47.9
Paper Mills	46.8	47.6	46.3	46.9	45.8	46.0	46.8	46.5	46.9	48.5	45.6	46.3	48.5
Wholesale Trade	41.8	43.4	42.0	41.0	41.5	41.8	41.7	42.2	41.4	42.0	42.3	41.6	41.2
Retail Trade	28.2	26.7	27.3	27.5	28.0	28.2	28.8	28.7	28.8	28.2	28.5	28.5	28.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-9 (1989)

Hamilton–Middletown PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$606.54	$595.41	$603.90	$621.03	$610.58	$621.35	$618.62	$604.27	$609.22	$599.83	$587.85	$590.50	$610.58
Durable Goods[b]	617.89	605.62	622.43	643.56	626.52	642.49	634.69	616.06	618.78	599.87	593.63	593.61	615.17
Primary Metal Industries	705.09	695.84	715.55	754.45	737.81	746.90	737.94	738.46	700.30	666.13	641.52	646.07	685.95
Fabricated Metal Products	521.05	543.14	530.42	537.43	504.70	535.92	513.95	471.11	517.22	496.78	551.89	521.59	530.93
Industrial Machinery and Equipment	645.11	601.50	632.77	652.19	641.59	651.01	686.35	633.91	643.19	629.53	656.86	654.31	665.28
Nondurable Goods[c]	577.28	571.78	557.92	563.05	572.61	570.37	581.57	571.71	582.24	599.12	577.35	588.16	600.32
Paper and Allied Products	610.08	614.07	598.15	602.53	599.98	599.98	609.70	600.44	613.41	633.24	606.14	615.80	630.84
Paper Mills	626.18	632.13	616.25	626.58	613.26	613.64	626.18	622.17	631.27	655.72	610.58	619.49	651.36
Wholesale Trade	424.27	434.43	412.44	407.95	408.78	421.34	422.42	427.91	426.42	434.70	442.04	431.39	426.42
Retail Trade[d]	164.97	157.26	159.71	162.26	164.08	163.84	168.19	167.61	167.04	164.12	167.01	166.44	171.09

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-9 (1989)

Hamilton–Middletown PMSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	93.6	91.6	91.5	92.7	94.1	95.4	95.3	91.5	91.4	92.6	94.9	96.0	96.3
Goods–Producing Industries	28.2	27.5	27.6	28.0	28.3	28.5	28.9	28.5	28.2	27.9	28.1	28.3	28.4
Construction and Mining	5.0	3.9	3.9	4.3	4.8	5.1	5.5	5.4	5.3	5.3	5.4	5.5	5.7
Manufacturing	23.2	23.6	23.7	23.7	23.5	23.4	23.4	23.1	22.8	22.6	22.7	22.7	22.7
Durable Goods[c]	16.0	16.4	16.5	16.5	16.3	16.2	16.1	15.9	15.7	15.5	15.5	15.5	15.6
Primary Metal Industries	6.7	6.8	6.8	6.8	6.6	6.6	6.6	6.5	6.6	6.6	6.6	6.7	6.8
Fabricated Metal Products	3.0	3.4	3.5	3.5	3.5	3.3	3.2	2.9	2.8	2.5	2.6	2.6	2.6
Industrial Machinery and Equipment	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4
Nondurable Goods[d]	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2	7.1	7.2	7.2	7.2
Paper and Allied Products	5.3	5.4	5.3	5.3	5.3	5.3	5.4	5.3	5.2	5.3	5.3	5.3	5.4
Paper Mills	4.0	4.0	4.0	3.9	3.9	4.0	4.0	3.9	3.9	3.9	4.0	4.0	4.0
Service–Producing Industries	65.4	64.1	63.9	64.8	65.9	66.9	66.4	63.0	63.2	64.7	66.8	67.7	67.8
Transportation and Public Utilities	3.1	2.8	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.3
Wholesale Trade	5.5	5.3	5.4	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.7	5.7
Wholesale Trade–Durable Goods	3.8	3.8	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	4.0
Retail Trade	17.6	17.1	17.2	17.5	17.8	17.7	17.6	17.6	17.8	18.0	17.5	17.6	17.7
Food Stores	3.3	3.5	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
Finance, Insurance, and Real Estate	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	4.9	4.9	4.9
Services	18.2	17.0	17.1	17.2	17.8	18.2	18.6	18.9	19.0	18.9	18.8	18.7	18.7
Health Services	7.7	7.4	7.4	7.4	7.5	7.6	7.7	7.6	7.7	7.8	8.0	8.0	8.0
Government	16.1	17.0	16.5	17.0	16.9	17.6	16.7	12.9	12.8	14.0	16.8	17.6	17.5
State Government (Includes Education)	6.4	7.3	6.7	7.1	7.3	7.5	6.8	3.9	4.0	4.2	6.7	7.3	7.5
Local Government	9.2	9.1	9.3	9.4	9.1	9.5	9.3	8.5	8.2	9.2	9.6	9.7	9.5
Local Government Education	5.8	5.8	6.0	6.0	5.8	6.0	5.8	4.9	4.8	5.9	6.2	6.4	6.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-9 (1988)

Hamilton–Middletown PMSA

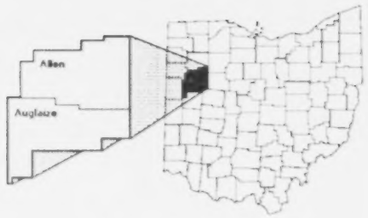
Nonagricultural Wage and Salary Employment, 1979–1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	84.9	83.0	83.2	79.7	80.5	83.7	85.7	88.8	90.8
Goods-Producing Industries	34.0	31.8	31.8	28.6	28.2	29.5	28.9	29.1	28.0
Construction and Mining	4.6	3.9	3.7	3.3	3.3	3.9	3.6	4.1	4.5
Manufacturing	29.4	27.8	28.0	25.4	24.9	25.6	25.3	25.0	23.5
Durable Goods[c]	21.6	20.3	20.6	18.0	17.6	18.1	17.8	17.2	16.3
Primary Metal Industries	9.0	8.2	8.6	7.6	7.4	7.6	6.9	6.1	6.6
Fabricated Metal Products	6.7	6.3	6.0	5.3	5.3	5.5	5.6	5.4	3.9
Industrial Machinery and Equipment	2.6	2.7	2.7	2.2	2.1	2.1	2.3	2.5	2.3
Nondurable Goods[d]	7.8	7.5	7.5	7.3	7.3	7.5	7.5	7.8	7.2
Paper and Allied Products	6.4	6.0	5.9	5.9	5.7	5.8	5.9	6.0	5.4
Paper Mills	4.2	4.1	4.2	4.3	4.2	4.4	4.3	4.3	4.0
Service–Producing Industries	50.8	51.3	51.4	51.1	52.3	54.2	56.8	59.7	62.8
Transportation and Public Utilities	3.1	2.8	2.5	2.5	2.5	2.7	2.8	2.8	2.7
Wholesale Trade	3.5	3.7	3.7	3.5	3.6	3.9	4.1	4.3	5.4
Wholesale Trade–Durable Goods	2.4	2.6	2.6	2.4	2.5	2.8	3.0	3.0	3.7
Retail Trade	12.6	12.7	12.7	12.6	13.1	14.2	15.2	15.8	16.8
Food Stores	2.3	2.3	2.5	2.5	2.8	3.1	3.2	3.1	3.3
Finance, Insurance, and Real Estate	4.8	4.8	4.7	4.6	4.6	4.6	4.7	5.1	5.1
Services	12.2	12.7	13.2	13.4	13.6	14.1	15.0	16.3	17.1
Health Services	5.4	5.8	6.1	6.4	6.7	6.7	6.8	7.1	7.3
Government	14.6	14.6	14.6	14.6	14.9	14.7	15.0	15.4	15.8
State Government (Includes Education)	5.2	5.3	5.6	5.4	5.7	5.7	5.9	6.1	6.3
Local Government	9.0	8.9	8.7	8.7	8.7	8.6	8.7	8.8	9.0
Local Government Education	5.7	5.6	5.6	5.5	5.5	5.6	5.6	5.8	5.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-9 (1979-1987)

Lima Metropolitan Statistical Area



The estimated annual average civilian labor force in the Lima metropolitan area, distributed by place of residence, advanced 2,500 from 1988 to 78,200 in 1989. Total employment gained 2,700 jobs over the year to 73,400, while unemployment decreased 200. The unemployment rate dropped from 6.6 percent in 1988 to 6.1 percent in 1989. (See table below.)

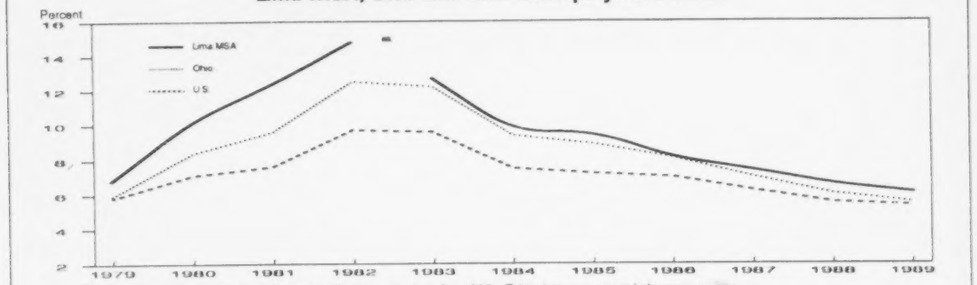
Nonagricultural wage and salary employment totaled 72,600 in 1989, up 3.6 percent, or 2,500, above the 1988 level. Employment in the service-producing sector advanced 1,700 to 46,200. Leading growth industries were retail trade (+800), services (+400), and wholesale trade (+300). Nominal gains occurred in transportation and public utilities and in local government. The workforce in goods-producing industries rose 900 over the year to 26,400 primarily due to expansion in manufacturing. Increased production in industrial machinery and equipment, fabricated metal products, food and kindred products, and rubber and miscellaneous plastics products overshadowed a decline in transportation equipment. Employment in construction and mining was virtually unchanged from the 1988 level.

Lima MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
104.5	97.4	7.2	6.8	5.9	5.8	1979	67.0	28.6	38.3
103.4	92.7	10.6	10.3	8.4	7.1	1980	63.7	25.7	38.0
104.6	91.7	12.9	12.3	9.6	7.6	1981	62.3	24.2	38.1
102.7	87.5	15.2	14.8	12.5	9.7	1982	59.0	22.2	36.7
71.5[c]	62.4[c]	9.1[c]	12.7[c]	12.2	9.6	1983	59.5	22.2	37.3
72.6	65.7	6.9	9.5	9.4	7.5	1984	63.4	24.3	39.1
74.9	67.8	7.1	9.5	8.9	7.2	1985	66.1	25.0	41.1
75.3	69.2	6.1	8.1	8.1	7.0	1986	67.4	25.6	41.8
75.2	69.6	5.6	7.4	7.0	6.2	1987	68.1	25.3	42.8
75.7	70.7	5.0	6.6	6.0	5.5	1988	70.0	25.5	44.5
78.2	73.4	4.8	6.1	5.5	5.3	1989	72.6	26.4	46.2

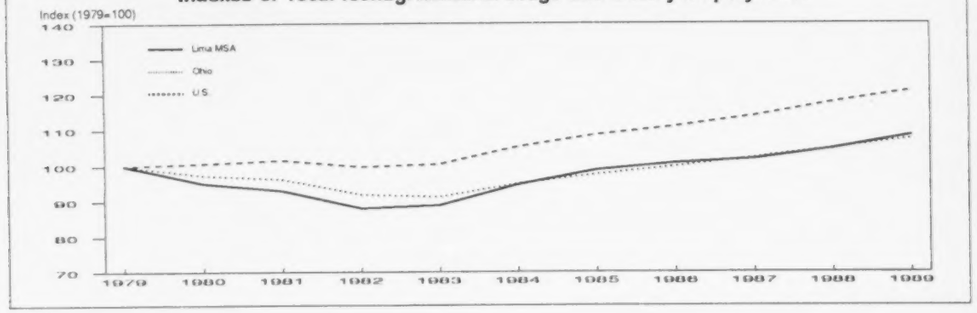
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

Lima MSA, Ohio and U.S. Unemployment Rates

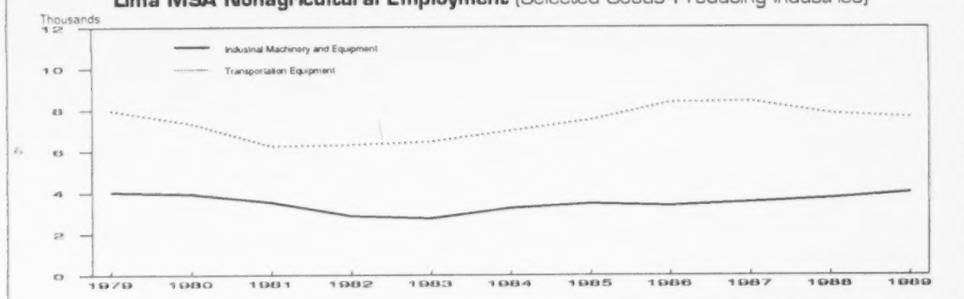


[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

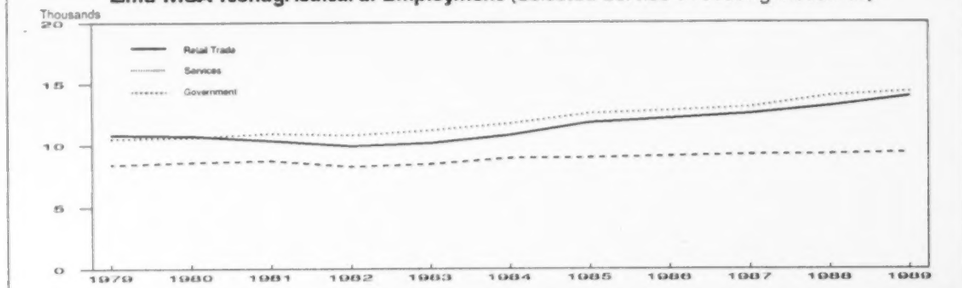
Indexes of Total Nonagricultural Wage and Salary Employment



Lima MSA Nonagricultural Employment (Selected Goods-Producing Industries)



Lima MSA Nonagricultural Employment (Selected Service-Producing Industries)



Lima MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	72.6	70.1	70.2	71.0	72.2	73.1	73.8	73.4	73.4	73.4	72.5	73.8	73.8
Goods-Producing Industries	26.4	25.2	25.2	25.4	26.0	26.5	27.2	26.9	27.1	27.2	26.3	27.1	26.7
Construction and Mining	3.2	2.8	2.7	2.8	3.0	3.2	3.4	3.5	3.5	3.5	3.4	3.3	3.1
Manufacturing	23.2	22.5	22.4	22.6	23.0	23.3	23.7	23.4	23.6	23.7	22.9	23.8	23.6
Durable Goods[c]	17.1	16.7	16.7	16.8	17.0	17.3	17.5	17.2	17.4	17.4	16.6	17.5	17.3
Fabricated Metal Products	2.6	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.8	2.8	2.8	2.8	2.8
Industrial Machinery and Equipment	4.0	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.1	4.0	4.1	4.2	4.1
Transportation Equipment	7.6	7.6	7.6	7.6	7.7	7.9	8.0	7.7	7.6	7.7	6.8	7.6	7.6
Motor Vehicles and Equipment	3.7	3.8	3.8	3.8	3.9	3.9	3.8	3.5	3.5	3.7	2.9	3.6	3.6
Nondurable Goods[d]	6.1	5.8	5.8	5.8	5.9	6.0	6.2	6.2	6.2	6.3	6.3	6.3	6.2
Food and Kindred Products	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.8	1.8
Rubber and Miscellaneous Plastics Products	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
Service-Producing Industries	46.2	44.8	45.0	45.6	46.3	46.6	46.6	46.5	46.4	46.3	46.2	46.7	47.1
Transportation and Public Utilities	3.0	2.8	2.8	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1
Wholesale Trade	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.4	3.5	3.5
Retail Trade	13.9	13.3	13.1	13.5	13.9	14.1	14.1	14.1	14.2	14.2	14.0	14.2	14.7
General Merchandise Stores	2.0	1.9	1.9	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.2	2.3
Finance, Insurance, and Real Estate	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1
Services	14.3	14.1	14.2	14.4	14.5	14.6	14.4	14.4	14.3	14.2	14.3	14.4	14.3
Health Services	6.2	6.1	6.2	6.2	6.3	6.3	6.1	6.1	6.1	6.1	6.3	6.4	6.4
Hospitals	3.0	3.0	3.1	3.1	3.1	3.1	2.9	2.9	2.9	2.9	3.0	3.0	3.1
Government	9.4	9.2	9.4	9.4	9.5	9.5	9.5	9.3	9.2	9.2	9.4	9.5	9.5
Local Government	7.0	6.8	7.1	7.0	7.1	7.1	7.1	6.9	6.8	6.9	7.0	7.1	7.0
Local Government Education	4.1	4.0	4.2	4.1	4.2	4.2	4.1	3.9	3.9	4.1	4.2	4.3	4.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-10 (1989)

Lima MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.02	$12.88	$12.92	$12.96	$12.93	$12.93	$13.12	$12.99	$12.98	$13.10	$13.00	$13.16	$13.20
Durable Goods[b]	12.97	12.85	12.90	12.95	12.95	12.84	13.17	12.99	12.87	13.04	12.80	13.07	13.19
Fabricated Metal Products	8.91	8.88	8.92	8.90	8.90	9.01	8.93	8.90	8.98	8.90	8.87	8.91	8.88
Industrial Machinery and Equipment	11.47	11.17	11.24	11.31	11.36	11.36	11.69	11.60	11.46	11.67	11.69	11.44	11.62
Transportation Equipment	15.70	15.40	15.47	15.54	15.48	15.43	15.80	15.70	15.74	15.90	15.78	16.00	16.20
Motor Vehicles and Equipment	16.81	16.53	16.54	16.68	16.47	16.48	16.86	16.79	16.83	17.02	17.14	17.16	17.38
Nondurable Goods[c]	13.16	12.97	13.01	12.98	12.89	13.22	12.95	13.01	13.34	13.29	13.56	13.42	13.25
Food and Kindred Products	8.93	8.94	9.02	8.87	8.84	8.67	8.71	8.85	8.93	8.87	8.90	9.16	9.39
Rubber and Miscellaneous Plastics Products	12.99	13.03	12.88	12.94	12.89	13.10	13.22	13.10	13.22	13.03	13.06	12.95	12.49
Wholesale Trade	9.63	9.47	9.41	9.50	9.56	9.79	9.61	9.59	9.76	9.81	9.75	9.75	9.60
Retail Trade[d]	5.94	5.79	5.74	5.82	5.82	5.84	5.50	5.98	5.68	6.15	6.28	6.28	6.21
General Merchandise Stores	6.14	6.08	6.15	6.24	6.18	6.20	6.09	6.17	6.09	6.01	6.12	6.06	6.20

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-10 (1989)

Lima MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.8	42.9	42.6	42.6	42.6	42.5	43.3	42.5	43.0	42.8	42.8	42.8	43.0
Durable Goods[b]	42.7	43.0	42.6	42.7	42.5	42.2	43.2	42.0	42.6	42.5	42.6	42.8	43.3
Fabricated Metal Products	41.3	42.6	41.1	40.2	40.0	41.2	40.9	39.5	42.2	42.3	41.3	41.6	41.7
Industrial Machinery and Equipment	41.3	41.7	42.1	42.3	42.3	41.0	41.2	40.7	40.1	40.4	41.2	40.6	42.0
Transportation Equipment	43.0	42.8	42.5	42.6	42.3	42.4	44.1	42.4	42.8	42.9	43.1	43.6	44.3
Motor Vehicles and Equipment	45.2	44.6	44.6	45.0	44.2	45.0	48.0	44.5	45.7	44.2	45.6	45.5	45.9
Nondurable Goods[c]	43.1	42.6	42.5	42.6	42.8	43.4	43.6	43.8	44.4	43.6	43.3	42.9	41.9
Food and Kindred Products	41.1	40.5	39.9	40.8	41.7	40.5	42.1	42.6	43.1	40.6	39.8	40.8	41.1
Rubber and Miscellaneous Plastics Products	45.7	46.2	45.7	46.5	46.0	46.3	47.8	46.8	46.2	45.6	45.0	44.7	42.4
Wholesale Trade	38.6	38.9	38.7	38.8	38.5	38.4	38.3	38.6	38.7	38.9	38.5	38.6	38.7
Retail Trade	29.8	27.7	28.0	28.4	28.5	28.5	27.6	29.8	36.1	30.0	30.1	30.3	31.2
General Merchandise Stores	26.9	25.5	24.6	26.1	25.9	25.9	26.5	27.2	26.7	26.9	27.2	26.3	31.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-10 (1989)

Lima MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$557.26	$552.55	$550.39	$552.10	$550.82	$549.53	$568.10	$552.08	$558.14	$560.68	$556.40	$563.25	$567.60
Durable Goods[b]	553.82	552.55	549.54	552.97	550.38	541.85	568.94	545.58	548.26	554.20	545.28	559.40	571.13
Fabricated Metal Products	367.98	378.29	366.61	357.78	356.00	371.21	365.24	351.55	378.96	376.47	366.33	370.66	370.30
Industrial Machinery and Equipment	473.71	465.79	473.20	478.41	480.53	465.76	481.63	472.12	459.55	471.47	481.63	464.46	488.04
Transportation Equipment	675.10	659.12	657.48	662.00	654.80	654.23	696.78	665.68	673.67	682.11	680.12	697.60	717.66
Motor Vehicles and Equipment	759.81	737.24	737.68	750.60	727.97	741.60	809.28	747.16	769.13	752.28	781.58	780.78	797.74
Nondurable Goods[c]	567.20	552.52	552.93	552.95	551.69	573.75	564.62	569.84	592.30	579.44	587.15	575.72	555.18
Food and Kindred Products	367.02	362.07	359.90	361.90	368.63	351.14	366.69	377.01	384.88	360.12	354.22	373.73	385.93
Rubber and Miscellaneous Plastics Products	593.64	601.99	588.62	601.71	592.94	606.53	631.92	613.08	610.76	594.17	587.70	578.87	529.58
Wholesale Trade	371.72	368.38	364.17	368.60	368.06	375.94	368.06	370.17	377.71	381.61	375.38	376.35	371.52
Retail Trade[d]	177.01	160.38	160.72	165.29	165.87	166.44	151.80	178.20	205.05	184.50	189.03	190.28	193.75
General Merchandise Stores	165.17	155.04	151.29	162.86	160.06	160.58	161.39	167.82	162.60	161.67	166.46	159.38	192.20

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [t]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-10 (1989)

Lima MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	70.0	68.5	68.6	68.9	69.3	69.7	70.0	70.7	70.9	71.0	70.4	71.0	71.3
Goods-Producing Industries	25.5	25.5	25.3	25.2	25.3	25.3	25.5	25.9	26.0	25.8	25.4	25.6	25.6
Construction and Mining	3.2	2.8	2.7	2.9	3.2	3.2	3.3	3.6	3.6	3.4	3.3	3.2	3.1
Manufacturing	22.3	22.7	22.6	22.4	22.1	22.0	22.1	22.3	22.4	22.4	22.2	22.4	22.5
Durable Goods[c]	16.7	17.0	16.9	16.9	16.7	16.7	16.7	16.6	16.6	16.6	16.4	16.7	16.7
Fabricated Metal Products	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5
Industrial Machinery and Equipment	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.8
Transportation Equipment	7.8	8.3	8.1	8.1	7.9	7.9	7.8	7.6	7.6	7.6	7.4	7.6	7.7
Motor Vehicles and Equipment	3.7	3.8	3.8	3.8	3.6	3.7	3.7	3.6	3.7	3.7	3.6	3.8	3.8
Nondurable Goods[d]	5.6	5.7	5.7	5.5	5.4	5.4	5.4	5.7	5.8	5.7	5.7	5.8	5.8
Food and Kindred Products	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
Rubber and Miscellaneous Plastics Products	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.8
Service-Producing Industries	44.5	43.0	43.3	43.7	44.1	44.4	44.6	44.8	44.9	45.2	45.0	45.4	45.7
Transportation and Public Utilities	2.9	2.8	2.8	2.8	2.8	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9
Wholesale Trade	3.2	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4
Retail Trade	13.2	12.4	12.3	12.5	12.9	13.1	13.2	13.6	13.7	13.6	13.3	13.6	14.0
General Merchandise Stores	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.8	1.8	1.7	1.7	1.8	2.0
Finance, Insurance, and Real Estate	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Services	14.0	13.6	13.8	14.0	13.8	13.9	14.0	14.1	14.2	14.2	14.1	14.1	14.1
Health Services	6.0	5.9	5.9	5.9	6.0	5.9	6.0	6.0	6.1	6.1	6.1	6.1	6.2
Hospitals	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Government	9.2	9.2	9.4	9.4	9.4	9.4	9.2	8.9	8.8	9.3	9.3	9.4	9.4
Local Government	6.8	6.7	7.0	6.9	6.9	6.9	6.7	6.4	6.4	6.9	6.9	7.0	6.9
Local Government Education	3.9	3.9	4.1	4.0	4.0	4.0	3.7	3.3	3.3	4.0	4.0	4.2	4.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-10 (1988)

Lima MSA

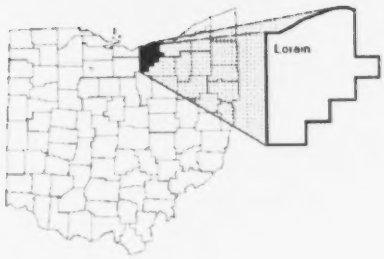
Nonagricultural Wage and Salary Employment, 1979–1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	67.0	63.7	62.3	59.0	59.5	63.4	66.1	67.4	68.1
Goods–Producing Industries	28.6	25.7	24.2	22.2	22.2	24.3	25.0	25.6	25.3
Construction and Mining	3.4	2.9	2.7	2.6	2.4	2.8	2.8	2.7	2.7
Manufacturing	25.2	22.8	21.6	19.6	19.8	21.5	22.2	22.9	22.7
Durable Goods[c]	18.1	16.8	15.4	14.1	14.2	15.5	16.1	16.7	16.9
Fabricated Metal Products	2.1	1.8	2.0	1.9	2.2	2.3	2.2	2.2	2.5
Industrial Machinery and Equipment	4.0	3.9	3.5	2.9	2.7	3.3	3.5	3.4	3.5
Transportation Equipment	8.0	7.3	6.2	6.3	6.4	7.0	7.5	8.3	8.4
Motor Vehicles and Equipment	6.5	5.3	3.7	3.0	3.0	3.3	3.6	3.9	3.8
Nondurable Goods[d]	7.1	6.0	6.1	5.6	5.7	5.9	6.1	6.2	5.7
Food and Kindred Products	1.8	1.7	1.8	1.7	1.8	1.9	2.0	2.1	1.8
Rubber and Miscellaneous Plastics Products	2.1	1.6	1.6	1.4	1.4	1.5	1.6	1.6	1.7
Service–Producing Industries	38.3	38.0	38.1	36.7	37.3	39.1	41.1	41.8	42.8
Transportation and Public Utilities	3.0	2.8	2.8	2.7	2.6	2.7	2.9	2.8	2.9
Wholesale Trade	3.3	3.0	3.0	2.9	2.9	2.9	2.9	2.9	3.0
Retail Trade	10.8	10.7	10.4	9.9	10.2	10.8	11.8	12.2	12.5
General Merchandise Stores	2.0	2.0	1.8	1.7	1.7	1.9	1.8	1.8	1.7
Finance, Insurance, and Real Estate	2.3	2.2	2.2	2.1	2.1	2.0	2.0	2.1	2.0
Services	10.5	10.6	10.9	10.8	11.2	11.8	12.5	12.8	13.1
Health Services	4.6	4.9	5.0	5.0	5.1	5.2	5.3	5.7	5.9
Hospitals	2.5	2.7	2.7	2.8	2.8	2.7	2.7	2.8	2.9
Government	8.4	8.6	8.7	8.3	8.5	9.0	9.0	9.1	9.2
Local Government	6.4	6.6	6.8	6.4	6.6	6.9	6.9	6.9	6.9
Local Government Education	3.7	3.8	3.9	3.6	3.6	3.8	3.9	3.9	3.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-10 (1979-1987)

Lorain-Elyria
Primary Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Lorain-Elyria metropolitan area declined 100 from 1988 to 118,900 in 1989. Total employment, at 110,700, increased 300 over the year, while unemployment decreased 300. The unemployment rate dropped from 7.2 percent in 1988 to 7.0 percent in 1989. (See table below.)

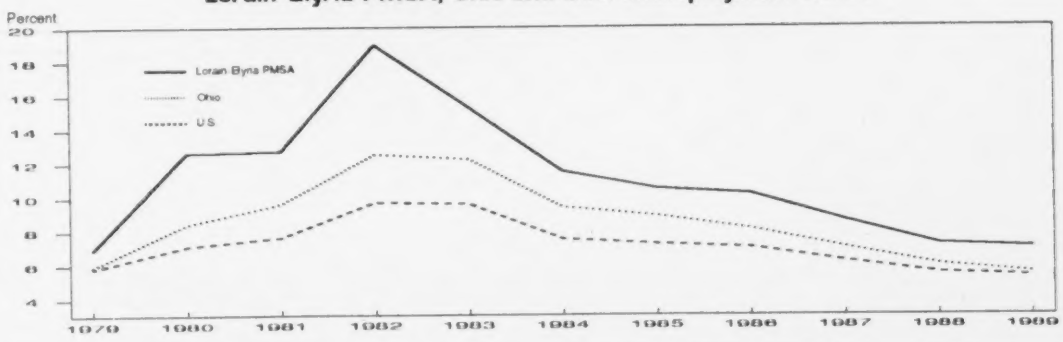
Nonagricultural wage and salary employment increased 300 above the 1988 level to 91,900 in 1989. Expansion in service-producing industries created 900 jobs, up 1.5 percent. Primary areas of improvement were services, especially health services, and retail trade. Nominal growth was registered in transportation and public utilities and in finance, insurance, and real estate. The number of employees in goods-producing industries declined 600 from the year-ago level to 32,300 mainly due to scattered decreases in durable-goods manufacturing. Significant production cutbacks in transportation equipment and a reduction in primary metal industries were partially offset by modest growth in fabricated metal products. Employment in construction and mining were little changed during the period.

Lorain-Elyria PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

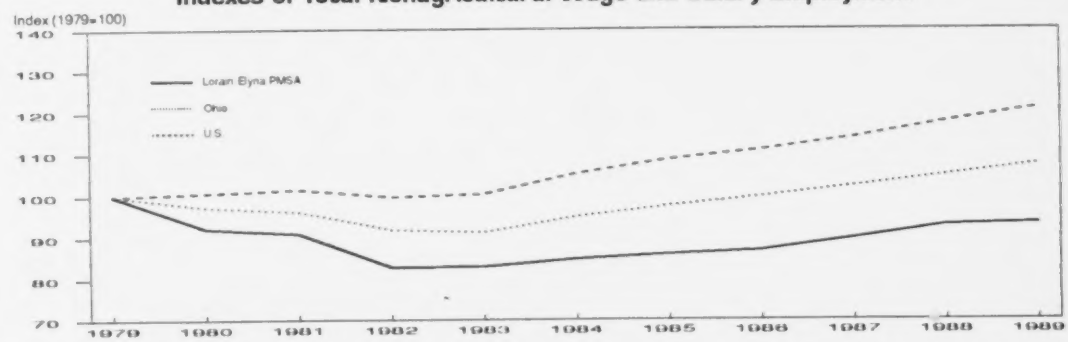
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment		Unemployment					Goods-Producing Industries	Service-Producing Industries
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
128.1	119.3	8.8	6.9	5.9	5.8	1979	98.4	44.8	53.7
127.5	111.4	16.1	12.6	8.4	7.1	1980	90.9	37.9	52.9
125.6	109.7	15.9	12.7	9.6	7.6	1981	89.5	37.8	51.8
126.0	102.1	24.0	19.0	12.5	9.7	1982	81.6	31.0	50.6
119.8	101.5	18.4	15.3	12.2	9.6	1983	81.7	31.0	50.7
116.1	102.7	13.4	11.5	9.4	7.5	1984	83.5	31.4	52.1
115.9	103.7	12.2	10.5	8.9	7.2	1985	84.5	31.0	53.5
118.3	106.2	12.1	10.2	8.1	7.0	1986	85.5	30.0	55.5
117.7	107.5	10.2	8.6	7.0	6.2	1987	88.4	31.2	57.2
119.0	110.4	8.6	7.2	6.0	5.5	1988	91.5	32.9	58.7
118.9	110.7	8.3	7.0	5.5	5.3	1989	91.9	32.3	59.6

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

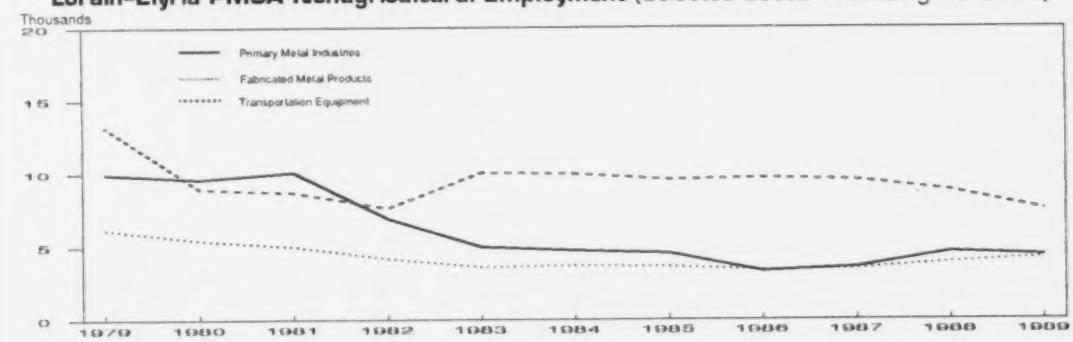
Lorain–Elyria PMSA, Ohio and U.S. Unemployment Rates



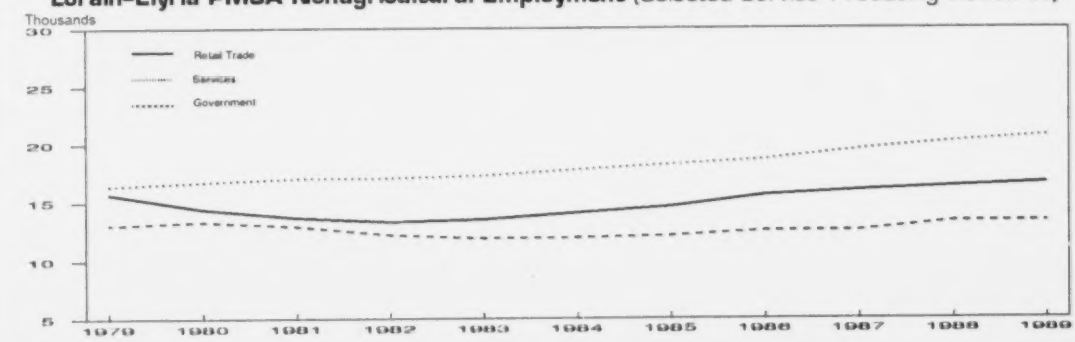
Indexes of Total Nonagricultural Wage and Salary Employment



Lorain–Elyria PMSA Nonagricultural Employment (Selected Goods–Producing Industries)



Lorain–Elyria PMSA Nonagricultural Employment (Selected Service–Producing Industries)



Lorain–Elyria PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	91.9	90.6	90.8	91.8	93.2	93.9	94.2	92.6	92.6	90.1	90.5	91.6	90.4
Goods–Producing Industries	32.3	32.2	32.0	32.5	33.3	33.3	33.5	33.8	33.9	30.9	30.7	31.5	29.9
Construction and Mining	4.0	3.2	3.2	3.3	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.4	4.1
Manufacturing	28.3	29.0	28.8	29.2	29.6	29.3	29.2	29.3	29.4	26.5	26.2	27.2	25.8
Durable Goods[c]	23.7	24.5	24.3	24.6	25.0	24.6	24.6	24.7	24.8	21.8	21.6	22.5	21.2
Primary Metal Industries	4.4	4.5	4.5	4.5	4.7	4.3	4.2	4.4	4.4	4.4	4.4	4.2	4.2
Fabricated Metal Products	4.2	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Transportation Equipment	7.5	8.6	8.3	8.5	8.6	8.5	8.4	8.4	8.3	5.5	5.3	6.5	5.3
Nondurable Goods[d]	4.6	4.5	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.7	4.7	4.7	4.6
Service–Producing Industries	59.6	58.4	58.8	59.3	59.8	60.6	60.7	58.8	58.8	59.2	59.8	60.1	60.5
Transportation and Public Utilities	3.3	3.1	3.1	3.2	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.5	3.5
Wholesale Trade	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4
Retail Trade	16.6	16.1	15.9	16.2	16.4	16.6	17.0	16.9	16.9	16.8	16.8	17.0	17.2
Finance, Insurance, and Real Estate	3.2	3.1	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Services	20.7	20.0	20.4	20.5	21.0	21.2	20.9	20.7	20.7	20.7	20.7	20.7	20.6
Health Services	8.4	8.3	8.3	8.3	8.4	8.5	8.4	8.4	8.4	8.4	8.4	8.5	8.5
Hospitals	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.1	4.1
Government	13.4	13.6	13.8	13.9	13.7	14.0	13.9	12.3	12.2	12.7	13.3	13.3	13.5
Local Government	11.4	11.8	12.0	12.0	11.9	12.0	11.9	10.3	10.1	10.7	11.3	11.4	11.5
Local Government Education	7.3	7.6	7.7	7.8	7.7	7.8	7.5	6.0	5.9	6.9	7.6	7.8	7.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. [b]Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-11 (1989)

Lorain-Elyria PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.22	$13.50	$13.65	$13.79	$13.67	$13.23	$13.50	$13.20	$13.00	$12.66	$12.65	$12.73	$12.62
Durable Goods[b]	13.73	14.03	14.16	14.32	14.19	13.73	14.00	13.69	13.45	13.12	13.13	13.20	13.09
Primary Metal Industries	13.91	13.89	13.98	14.36	14.33	13.45	13.74	13.69	13.72	13.74	13.95	13.86	14.06
Fabricated Metal Products	9.87	10.17	10.05	9.90	9.87	9.77	9.83	9.85	9.68	9.94	9.67	9.72	9.90
Transportation Equipment	16.61	16.88	17.00	17.13	16.92	16.51	16.80	16.16	15.87	16.25	16.34	16.16	16.43
Nondurable Goods[c]	10.00	9.67	9.92	10.03	10.08	9.96	10.07	9.95	10.16	10.01	10.01	10.06	10.09
Wholesale Trade	9.44	9.68	9.28	9.40	9.38	9.41	9.44	9.31	9.42	9.52	9.47	9.48	9.48
Retail Trade[d]	6.15	6.08	6.18	6.13	6.12	6.06	6.13	6.08	6.09	6.22	6.18	6.24	6.28

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [l]Depressed due to labor-management disputes during part of pay period. [9]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-11 (1989)

Lorain-Elyria PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.0	44.7	45.6	45.0	45.0	41.6	43.3	41.4	40.8	42.2	42.1	41.4	41.9
Durable Goods[b]	43.5	45.6	46.6	45.9	45.7	42.0	43.9	41.9	40.9	42.5	42.4	41.6	42.3
Primary Metal Industries	42.7	42.9	43.4	43.8	42.5	38.2	43.8	40.8	43.4	43.6	43.8	42.0	44.4
Fabricated Metal Products	44.1	46.8	46.1	44.1	43.7	42.9	43.3	43.1	43.3	46.0	42.8	43.3	44.0
Transportation Equipment	43.7	48.2	49.7	48.2	48.0	42.3	43.6	40.3	38.0	40.5	40.2	39.6	40.2
Nondurable Goods[c]	39.9	39.4	39.4	39.9	40.4	39.2	39.4	38.3	40.3	40.7	40.9	40.5	39.9
Wholesale Trade	38.4	38.4	38.0	38.5	38.6	38.6	38.3	38.9	38.5	38.5	38.3	38.0	37.9
Retail Trade	26.8	26.7	26.6	26.7	26.5	26.7	27.5	28.3	27.9	26.4	26.2	25.7	26.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-11 (1989)

Lorain-Elyria PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$568.46	$603.45	$622.44	$620.55	$615.15	$550.37	$584.55	$546.48	$530.40	$534.25	$532.57	$527.02	$528.78
Durable Goods[b]	597.26	639.77	659.86	657.29	648.48	576.66	614.60	573.61	550.11	557.60	556.71	549.12	553.71
Primary Metal Industries	593.96	595.88	606.73	628.97	609.03	513.79	601.83	558.55	595.45	599.06	611.01	582.12	624.26
Fabricated Metal Products	435.27	475.96	463.31	436.59	431.32	419.13	425.64	424.54	419.14	457.24	413.88	420.88	435.60
Transportation Equipment	725.86	813.62	844.90	825.67	812.16	698.37	732.48	651.25	603.06	658.13	656.87	639.94	660.49
Nondurable Goods[c]	399.00	381.00	390.85	400.20	407.23	390.43	396.76	381.09	409.45	407.41	409.41	407.43	402.59
Wholesale Trade	362.50	371.71	352.64	361.90	362.07	363.23	361.55	362.16	362.67	366.52	362.70	360.24	359.29
Retail Trade[d]	164.82	162.34	164.39	163.67	162.18	161.80	168.58	172.06	169.91	164.21	161.92	160.37	163.91

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-11 (1989)

Lorain–Elyria PMSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	91.5	89.2	89.2	90.4	91.2	92.6	93.3	90.9	90.7	91.3	93.2	93.2	92.9
Goods–Producing Industries	32.9	31.9	31.9	32.5	32.5	33.0	33.5	33.3	33.3	32.2	33.6	33.3	33.2
Construction and Mining	4.0	3.4	3.1	3.4	3.8	4.1	4.4	4.5	4.6	4.5	4.4	4.3	4.1
Manufacturing	28.8	28.6	28.8	29.1	28.7	28.9	29.1	28.8	28.7	27.7	29.2	29.0	29.2
Durable Goods[c]	24.2	24.0	24.1	24.5	24.1	24.3	24.5	24.2	24.1	23.0	24.5	24.3	24.4
Primary Metal Industries	4.6	4.4	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.4	4.4
Fabricated Metal Products	3.9	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1
Transportation Equipment	8.8	9.4	9.4	9.5	9.2	9.2	9.0	8.5	8.3	7.3	8.6	8.6	8.6
Nondurable Goods[d]	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7
Service–Producing Industries	58.7	57.3	57.3	57.9	58.7	59.6	59.8	57.6	57.4	59.2	59.6	59.9	59.7
Transportation and Public Utilities	3.2	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2
Wholesale Trade	2.5	2.5	2.5	2.5	2.4	2.5	2.6	2.6	2.6	2.6	2.5	2.5	2.6
Retail Trade	16.3	15.7	15.5	15.6	16.3	16.6	16.7	16.6	16.7	16.6	16.4	16.6	16.8
Finance, Insurance, and Real Estate	3.1	3.0	3.1	3.1	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Services	20.2	19.4	19.5	19.9	20.3	20.4	20.6	20.1	20.0	20.5	20.7	20.6	20.4
Health Services	8.2	8.1	8.1	8.1	8.1	8.1	8.3	8.3	8.2	8.2	8.3	8.3	8.3
Hospitals	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0	3.9	4.0	4.0
Government	13.3	13.4	13.6	13.7	13.5	13.8	13.6	12.0	11.9	13.3	13.5	13.9	13.7
Local Government	11.6	11.7	11.9	12.0	11.8	12.1	11.9	10.2	10.0	11.4	11.7	12.0	11.9
Local Government Education	7.3	7.6	7.8	7.8	7.7	7.8	7.3	5.9	5.7	7.2	7.6	7.7	7.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-11 (1988)

Lorain-Elyria PMSA

Nonagricultural Wage and Salary Employment, 1979-1987[a]

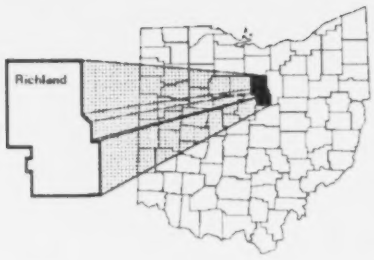
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	98.4	90.9	89.5	81.6	81.7	83.5	84.5	85.5	88.4
Goods-Producing Industries	44.8	37.9	37.8	31.0	31.0	31.4	31.0	30.0	31.2
Construction and Mining	4.3	3.5	3.3	2.4	2.4	2.5	2.7	3.1	3.7
Manufacturing	40.4	34.5	34.5	28.6	28.6	28.8	28.2	27.0	27.5
Durable Goods[c]	35.9	30.0	30.1	24.5	24.3	24.4	23.8	22.6	23.1
Primary Metal Industries	10.0	9.6	10.1	6.9	5.0	4.8	4.5	3.3	3.6
Fabricated Metal Products	6.2	5.4	5.0	4.2	3.6	3.7	3.6	3.4	3.5
Transportation Equipment	13.2	8.9	8.7	7.6	10.1	10.0	9.6	9.7	9.5
Nondurable Goods[d]	4.6	4.5	4.4	4.1	4.3	4.5	4.4	4.3	4.4
Service-Producing Industries	53.7	52.9	51.8	50.6	50.7	52.1	53.5	55.5	57.2
Transportation and Public Utilities	3.5	3.7	3.4	3.4	3.4	3.5	3.6	3.4	3.4
Wholesale Trade	1.9	1.7	1.8	1.9	1.8	2.0	2.1	2.3	2.7
Retail Trade	15.7	14.4	13.7	13.4	13.6	14.1	14.6	15.6	16.0
Finance, Insurance, and Real Estate	3.1	3.0	2.9	2.8	2.7	2.7	2.8	2.9	3.0
Services	16.4	16.7	17.0	17.1	17.3	17.8	18.2	18.7	19.5
Health Services	6.8	7.1	7.5	7.5	7.4	7.3	7.5	7.7	8.1
Hospitals	3.8	3.9	4.1	4.2	4.1	3.8	3.8	3.7	3.9
Government	13.1	13.3	13.0	12.2	11.9	12.0	12.1	12.5	12.6
Local Government	11.4	11.6	11.4	10.7	10.4	10.5	10.5	10.9	10.9
Local Government Education	7.2	7.4	7.3	7.0	6.8	7.0	7.0	7.3	7.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [r]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-11 (1979-1987)

Mansfield Metropolitan Statistical Area



In the Mansfield metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, advanced 1,500 from 1988 to 65,900 in 1989. Total employment gained 1,400 over the year, while unemployment increased 100. The unemployment rate dropped from 6.6 percent in 1988 to 6.5 percent in 1989. (See table below.)

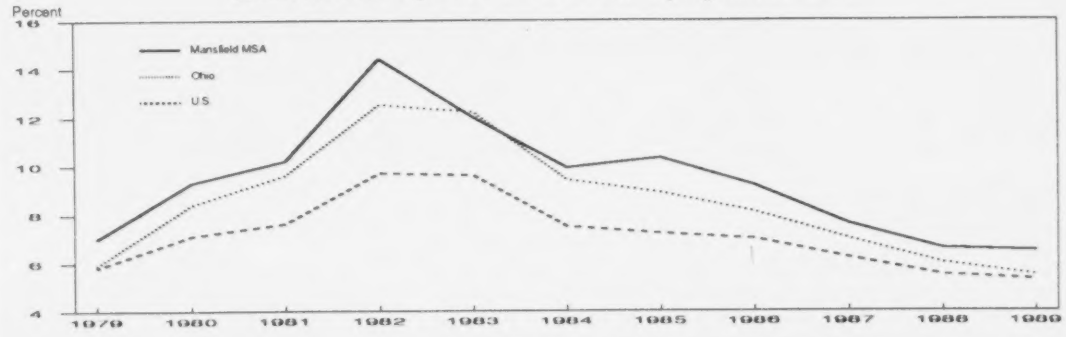
Nonagricultural wage and salary employment increased 1,600 above the 1988 level to 60,300 in 1989, a growth rate of 2.7 percent. The improvement was concentrated in the service-producing sector. Noteworthy expansion occurred in services (+900) and retail trade (+400). Nominal gains were registered in local government and in finance, insurance, and real estate. The number of jobs in goods-producing industries, at 21,200, was little changed over the year. Slight growth in construction and mining offset scattered declines in durable-goods manufacturing.

Mansfield MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

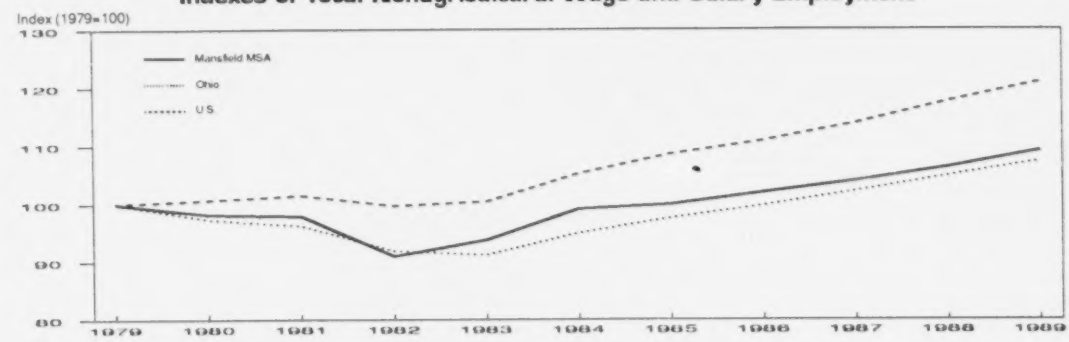
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
60.5	56.3	4.2	7.0	5.9	5.8	1979	55.2	23.8	31.5
62.4	56.7	5.8	9.3	8.4	7.1	1980	54.2	22.4	31.8
63.0	56.6	6.5	10.2	9.6	7.6	1981	54.1	22.6	31.6
62.4	53.5	9.0	14.4	12.5	9.7	1982	50.3	19.1	31.2
62.7	55.2	7.5	12.0	12.2	9.6	1983	51.8	20.3	31.5
63.7	57.4	6.3	9.9	9.4	7.5	1984	54.8	21.9	32.9
63.9	57.3	6.6	10.3	8.9	7.2	1985	55.2	21.5	33.7
64.5	58.6	6.0	9.2	8.1	7.0	1986	56.4	21.2	35.1
64.0	59.1	4.8	7.6	7.0	6.2	1987	57.4	21.1	36.4
64.4	60.2	4.2	6.6	6.0	5.5	1988	58.7	21.3	37.5
65.9	61.6	4.3	6.5	5.5	5.3	1989	60.3	21.2	39.1

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

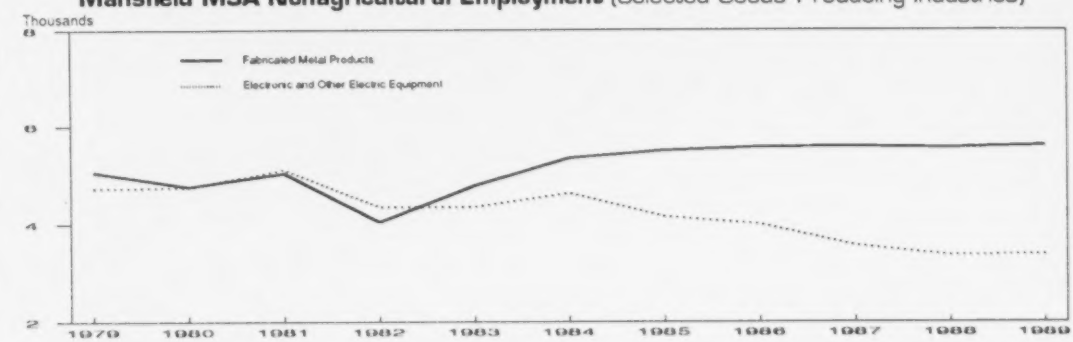
Mansfield MSA, Ohio and U.S. Unemployment Rates



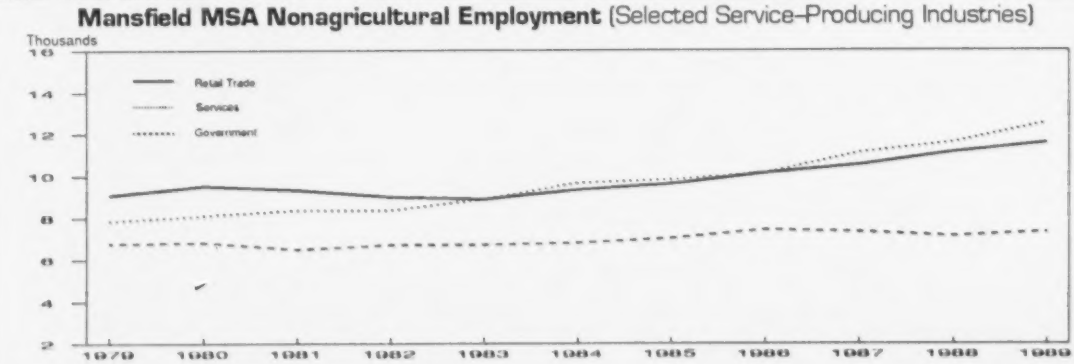
Indexes of Total Nonagricultural Wage and Salary Employment



Mansfield MSA Nonagricultural Employment (Selected Goods-Producing Industries)



Mansfield MSA Nonagricultural Employment (Selected Service-Producing Industries)



Mansfield MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	60.3	58.9	59.2	59.7	60.3	61.0	61.0	60.8	60.2	61.0	60.6	60.2	60.8
Goods-Producing Industries	21.2	21.0	21.1	21.0	21.2	21.6	21.7	21.6	21.3	21.5	21.2	20.6	21.1
Construction and Mining	2.1	1.8	1.8	1.9	2.0	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.1
Manufacturing	19.1	19.2	19.3	19.1	19.3	19.4	19.5	19.4	19.0	19.3	19.0	18.4	19.0
Durable Goods[c]	17.1	17.2	17.3	17.1	17.2	17.4	17.5	17.3	16.9	17.2	16.9	16.4	17.0
Fabricated Metal Products	5.6	5.8	5.9	5.8	5.7	5.8	5.8	5.3	5.0	5.6	5.5	5.6	5.7
Electronic and Other Electric Equipment	3.4	3.3	3.3	3.2	3.3	3.3	3.3	3.6	3.6	3.6	3.4	3.4	3.3
Nondurable Goods[d]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.0
Service-Producing Industries	39.1	37.9	38.1	38.7	39.1	39.3	39.3	39.1	38.9	39.5	39.5	39.6	39.7
Transportation and Public Utilities	3.0	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0
Wholesale Trade	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Retail Trade	11.6	10.9	10.8	11.0	11.5	11.5	11.8	11.7	11.8	11.8	11.7	11.9	12.2
Finance, Insurance, and Real Estate	2.5	2.5	2.4	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4
Services	12.5	12.3	12.4	12.7	12.6	12.6	12.5	12.5	12.4	12.7	12.6	12.5	12.5
Health Services	4.3	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.3	4.4	4.4	4.4	4.4
Government	7.3	7.2	7.4	7.4	7.4	7.5	7.4	7.1	6.9	7.2	7.5	7.5	7.4
Local Government	5.6	5.5	5.7	5.7	5.7	5.7	5.6	5.3	5.1	5.5	5.7	5.8	5.7
Local Government Education	3.8	3.8	4.0	4.0	3.9	4.0	3.8	3.6	3.4	3.7	4.0	4.0	3.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-12 (1989)

Mansfield MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.12	$13.10	$13.01	$13.15	$13.20	$13.32	$13.30	$12.97	$12.80	$13.40	$12.96	$13.02	$13.22
Durable Goods[b]	13.69	13.65	13.57	13.70	13.79	13.88	13.89	13.63	13.39	14.01	13.52	13.55	13.73
Fabricated Metal Products	17.46	17.20	17.10	17.41	17.50	17.93	17.91	18.34	17.57	18.24	16.88	16.73	16.68
Electronic and Other Electric Equipment	10.88	10.84	10.84	10.87	10.88	10.94	10.95	10.93	10.95	10.74	10.90	10.90	10.86
Nondurable Goods[c]	8.05	8.08	7.98	8.13	7.76	8.04	8.01	7.54	7.78	7.86	8.05	8.59	8.79
Wholesale Trade	8.27	8.09	8.11	8.27	8.25	8.29	8.47	8.22	8.29	8.28	8.21	8.22	8.49
Retail Trade[d]	5.84	5.86	5.83	5.82	5.79	5.79	5.77	5.73	5.77	5.83	5.90	5.93	6.00

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-4-12 (1989)

Mansfield MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.7	43.8	43.3	43.3	43.4	43.1	42.6	42.4	41.6	42.8	41.6	42.1	42.2
Durable Goods[b]	42.7	43.7	43.5	43.4	43.5	43.2	42.7	42.6	41.6	43.0	41.5	41.6	41.8
Fabricated Metal Products	44.3	45.6	44.9	45.7	46.3	44.9	44.3	45.3	41.0	47.6	41.7	41.9	41.9
Electronic and Other Electric Equipment	42.2	41.5	43.5	42.9	42.4	43.5	42.1	41.9	43.6	40.2	41.4	42.0	41.7
Nondurable Goods[c]	42.8	44.1	42.0	42.5	41.8	42.4	42.3	40.9	41.8	41.5	43.1	45.7	45.8
Wholesale Trade	39.9	39.6	39.6	40.6	41.1	40.8	40.0	40.0	39.9	40.0	39.4	38.8	38.9
Retail Trade	27.0	26.4	26.8	26.4	26.9	26.6	27.1	28.1	27.5	26.9	26.8	27.0	27.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-12 (1989)

Mansfield MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$560.10	$573.78	$563.33	$569.40	$572.88	$574.09	$566.58	$549.93	$532.48	$573.52	$539.14	$548.14	$557.88
Durable Goods[b]	584.40	596.51	590.30	594.58	599.87	599.62	593.10	580.64	557.02	602.43	561.08	563.68	573.91
Fabricated Metal Products	773.30	784.32	767.79	795.64	810.25	805.06	793.41	830.80	720.37	868.22	703.90	700.99	698.89
Electronic and Other Electric Equipment	459.14	449.86	471.54	466.32	461.31	475.89	461.00	457.97	477.42	431.75	451.26	457.80	452.86
Nondurable Goods[c]	344.54	356.33	335.16	345.53	324.37	340.90	338.82	308.39	325.20	326.19	346.96	392.56	402.58
Wholesale Trade	329.97	320.36	321.16	335.76	339.08	338.23	338.80	328.80	330.77	331.20	323.47	318.94	330.26
Retail Trade[d]	157.68	154.70	156.24	153.65	155.75	154.01	156.37	161.01	158.68	156.83	158.12	160.11	163.80

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-12 (1989)

Mansfield MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	58.7	56.4	57.1	57.4	58.4	59.1	59.5	59.3	59.2	59.5	59.3	59.7	60.1
Goods-Producing Industries	21.3	20.2	20.7	20.9	21.3	21.5	21.7	21.7	21.5	21.6	21.2	21.3	21.4
Construction and Mining	2.0	1.8	1.6	1.7	1.9	2.0	2.1	2.3	2.3	2.3	2.2	2.2	2.2
Manufacturing	19.2	18.5	19.1	19.2	19.4	19.5	19.6	19.4	19.2	19.2	19.0	19.2	19.2
Durable Goods[c]	17.2	16.5	17.1	17.2	17.4	17.5	17.6	17.4	17.1	17.2	17.0	17.1	17.2
Fabricated Metal Products	5.6	5.0	5.5	5.5	5.6	5.6	5.6	5.5	5.6	5.7	5.7	5.7	5.8
Electronic and Other Electric Equipment	3.4	3.3	3.4	3.5	3.4	3.4	3.4	3.5	3.2	3.2	3.3	3.3	3.3
Nondurable Goods[d]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0
Service-Producing Industries	37.5	36.2	36.4	36.5	37.1	37.6	37.8	37.6	37.7	37.9	38.0	38.3	38.7
Transportation and Public Utilities	3.0	2.9	2.9	2.9	3.0	3.1	3.0	3.2	3.2	3.1	3.0	3.0	3.0
Wholesale Trade	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.3
Retail Trade	11.1	10.4	10.4	10.6	11.0	11.1	11.4	11.3	11.4	11.3	11.3	11.5	11.7
Finance, Insurance, and Real Estate	2.4	2.4	2.3	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4
Services	11.6	11.2	11.3	11.3	11.4	11.5	11.7	11.7	11.7	11.8	11.8	11.8	12.0
Health Services	4.2	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Government	7.1	7.2	7.3	7.3	7.1	7.3	7.1	6.8	6.8	6.9	7.2	7.4	7.4
Local Government	5.4	5.4	5.5	5.6	5.4	5.5	5.3	5.0	5.0	5.2	5.5	5.6	5.6
Local Government Education	3.8	3.9	4.0	4.0	3.8	3.9	3.6	3.3	3.3	3.6	3.9	3.9	3.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-12 (1988)

Mansfield MSA

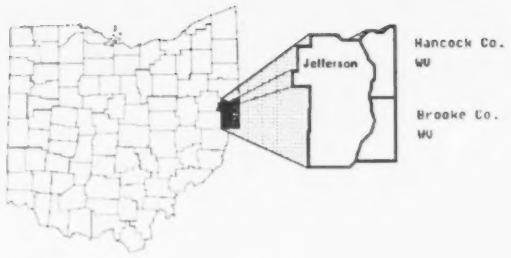
Nonagricultural Wage and Salary Employment, 1979-1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	55.2	54.2	54.1	50.3	51.8	54.8	55.2	56.4	57.4
Goods-Producing Industries	23.8	22.4	22.6	19.1	20.3	21.9	21.5	21.2	21.1
Construction and Mining	2.1	1.8	1.3	1.1	1.3	1.5	1.7	1.9	2.0
Manufacturing	21.7	20.6	21.2	18.0	19.0	20.4	19.9	19.3	19.1
Durable Goods[c]	19.5	18.5	19.2	16.1	17.0	18.3	17.8	17.3	17.1
Fabricated Metal Products	5.1	4.8	5.1	4.0	4.8	5.4	5.5	5.6	5.6
Electronic and Other Electric Equipment	4.7	4.8	5.1	4.4	4.4	4.6	4.2	4.0	3.6
Nondurable Goods[d]	2.2	2.1	2.0	1.8	2.0	2.1	2.0	2.0	2.0
Service-Producing Industries	31.5	31.8	31.6	31.2	31.5	32.9	33.7	35.1	36.4
Transportation and Public Utilities	3.5	3.3	3.3	3.1	2.9	2.9	2.8	2.9	2.9
Wholesale Trade	1.9	1.7	1.7	1.7	1.8	1.9	2.0	2.2	2.1
Retail Trade	9.1	9.5	9.3	9.0	8.9	9.3	9.6	10.1	10.5
Finance, Insurance, and Real Estate	2.3	2.3	2.4	2.3	2.3	2.3	2.4	2.3	2.3
Services	7.9	8.1	8.4	8.4	8.9	9.6	9.8	10.1	11.1
Health Services	3.1	3.3	3.4	3.5	3.7	3.7	3.8	3.8	4.1
Government	6.8	6.8	6.5	6.7	6.7	6.8	7.0	7.4	7.3
Local Government	5.3	5.3	4.9	5.1	5.2	5.2	5.4	5.8	5.6
Local Government Education	3.4	3.3	3.2	3.4	3.5	3.2	3.2	3.6	3.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-12 (1979-1987)

Steubenville-Weirton Metropolitan Statistical Area



The estimated annual average civilian labor force in the Steubenville-Weirton metropolitan area, distributed by place of residence, advanced 1,600 from 1988 to 56,500 in 1989. Total employment gained 2,100 jobs over the year to 52,800, while unemployment registered a decrease of 500. The unemployment rate dropped 1.2 points, from 7.7 percent in 1988 to 6.5 percent in 1989. (See table below.)

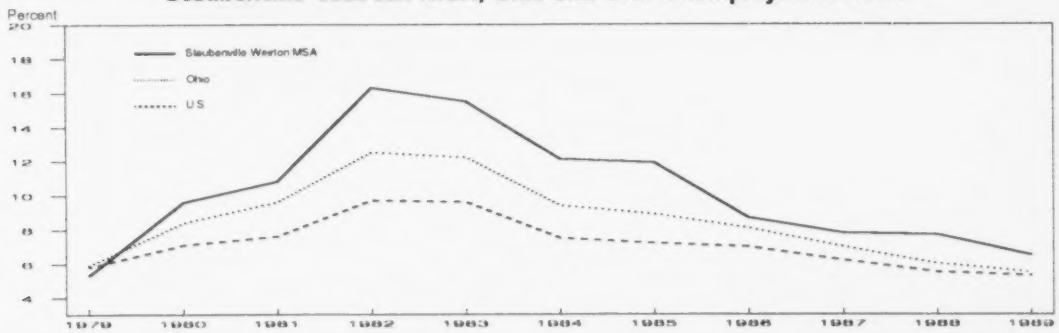
Nonagricultural wage and salary employment rose 2:3 percent, or 1,200, above the 1988 level to 51,700 in 1989. Improvements in service-producing industries contributed 75.0 percent of the gain. Leading areas of expansion were services (+500) and retail trade (+300). Modest growth was also posted in wholesale trade and in finance, insurance, and real estate. Increased production among manufacturers of durable goods and more business in construction raised employment in goods-producing industries 300 over the year to 20,100. The workforce in nondurable-goods manufacturing lost 200 jobs during the period.

Steubenville-Weirton MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

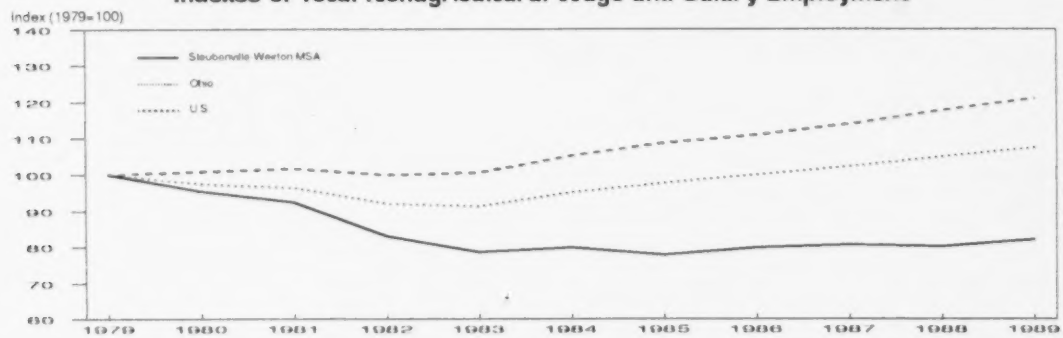
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment								
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.			Goods-Producing Industries	Service-Producing Industries
66.9	63.3	3.5	5.3	5.9	5.8	1979	62.9	30.2	32.7
68.1	61.6	6.6	9.6	8.4	7.1	1980	60.0	27.5	32.5
66.2	59.0	7.2	10.8	9.6	7.6	1981	58.1	26.1	32.1
64.2	53.8	10.5	16.3	12.5	9.7	1982	52.3	21.7	30.6
59.9	50.6	9.3	15.5	12.2	9.6	1983	49.5	19.6	29.8
59.0	51.8	7.2	12.1	9.4	7.5	1984	50.3	20.5	29.8
58.0	51.1	6.9	11.9	8.9	7.2	1985	48.9	18.7	30.3
56.4	51.5	4.9	8.7	8.1	7.0	1986	50.3	20.0	30.3
56.5	52.0	4.4	7.8	7.0	6.2	1987	50.8	19.9	30.8
54.9	50.7	4.2	7.7	6.0	5.5	1988	50.5	19.8	30.7
56.5	52.8	3.7	6.5	5.5	5.3	1989	51.7	20.1	31.5

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

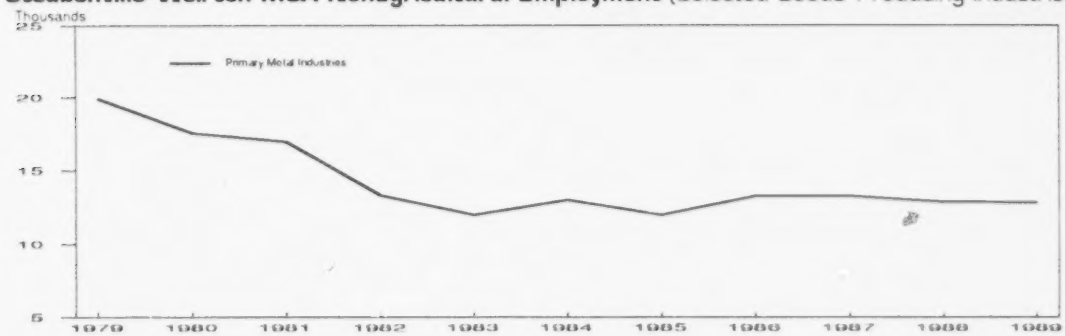
Steubenville–Weirton MSA, Ohio and U.S. Unemployment Rates



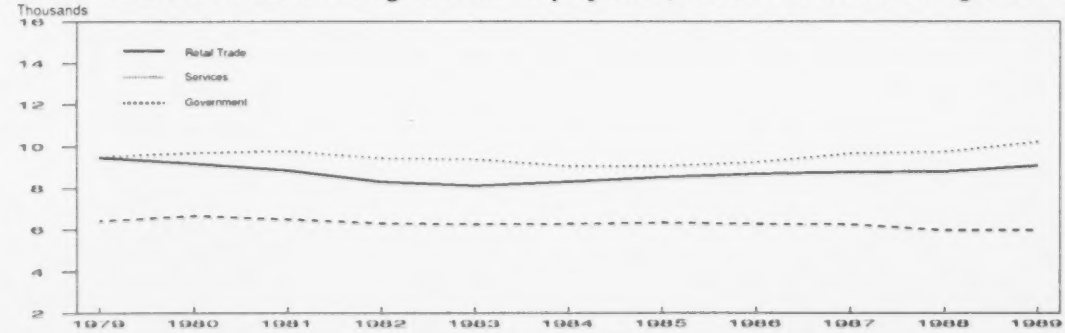
Indexes of Total Nonagricultural Wage and Salary Employment



Steubenville–Weirton MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Steubenville–Weirton MSA Nonagricultural Employment (Selected Service–Producing Industries)



Steubenville–Weirton MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	51.7	50.8	50.4	50.9	51.1	51.8	52.2	51.6	51.7	51.9	52.8	52.1	52.8
Goods–Producing Industries	20.1	20.1	19.8	19.8	19.8	19.9	20.3	20.4	20.4	20.6	20.5	19.9	19.9
Mining	.9	.9	.9	.9	.9	.9	.9	.9	.9	1.0	1.0	1.0	1.0
Construction	1.5	1.3	1.1	1.1	1.3	1.3	1.7	1.7	1.7	1.8	1.8	1.5	1.4
Manufacturing	17.7	17.9	17.8	17.7	17.6	17.7	17.7	17.9	17.8	17.8	17.8	17.4	17.6
Durable Goods[c]	16.1	16.3	16.2	16.1	16.0	16.2	16.1	16.3	16.1	16.2	16.2	15.9	16.1
Primary Metal Industries	12.8	12.9	12.8	12.7	12.7	12.8	12.9	13.0	12.9	13.0	12.9	12.5	12.7
Nondurable Goods[d]	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5
Service–Producing Industries	31.5	30.7	30.6	31.1	31.3	31.8	31.9	31.2	31.2	31.3	32.2	32.3	32.8
Transportation and Public Utilities	3.3	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.3	3.3	3.3	3.3
Wholesale Trade	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3
Retail Trade	9.1	8.7	8.7	8.7	8.8	9.1	9.1	9.0	9.1	9.2	9.3	9.4	9.7
General Merchandise Stores	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.9	2.0
Finance, Insurance, and Real Estate	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Services	10.2	9.8	9.6	10.0	10.2	10.3	10.5	10.1	10.0	10.3	10.6	10.6	10.8
Health Services	4.5	4.4	4.4	4.4	4.5	4.5	4.6	4.5	4.6	4.6	4.5	4.5	4.5
Hospitals	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.5	2.4	2.4	2.4	2.4
Government	6.0	6.0	6.1	6.2	6.2	6.2	6.1	5.7	5.7	5.6	5.9	5.9	6.1
Local Government	5.1	5.2	5.3	5.3	5.3	5.3	5.2	4.8	4.8	4.7	5.1	5.1	5.3
Local Government Education	3.2	3.3	3.4	3.4	3.4	3.4	3.3	2.9	2.9	2.9	3.3	3.3	3.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [t]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-13 (1989)

Steubenville–Weirton MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.73	$11.51	$11.46	$11.46	$11.53	$11.60	$11.68	$11.63	$11.88	$12.04	$11.94	$12.21	$11.79
Durable Goods[b]	12.05	11.82	11.77	11.80	11.87	11.93	12.00	11.94	12.21	12.34	12.27	12.49	12.11
Primary Metal Industries	12.47	12.18	12.18	12.20	12.27	12.31	12.38	12.32	12.62	12.77	12.71	12.99	12.60
Nondurable Goods[c]	5.91	5.63	5.64	5.73	5.60	5.81	5.78	6.00	6.16	6.01	6.02	6.21	6.25
Wholesale Trade	8.50	8.67	8.60	8.42	8.47	8.55	8.36	8.40	8.41	8.43	8.41	8.51	8.75
Retail Trade[d]	5.78	5.72	5.78	5.83	5.83	5.76	5.72	5.71	5.67	5.76	5.86	5.85	5.86

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employement Services
Columbus 43216 4-5-90 RS-790-4-13 (1989)

Steubenville-Weirton MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.9	41.1	40.5	41.6	42.3	42.7	43.5	43.0	43.1	44.2	43.5	45.3	44.1
Durable Goods[b]	44.1	42.4	41.7	42.6	43.4	44.0	44.9	44.3	44.5	45.6	44.7	46.4	44.8
Primary Metal Industries	44.8	43.1	42.5	42.6	43.8	44.8	45.6	45.0	45.2	46.5	45.4	47.6	45.9
Nondurable Goods[c]	28.7	26.2	25.7	29.5	29.0	28.2	27.9	28.2	28.4	26.8	29.3	31.1	34.9
Wholesale Trade	38.5	37.5	38.4	38.0	38.4	38.2	38.2	38.5	39.1	38.9	38.4	39.2	39.0
Retail Trade	28.4	27.8	27.8	27.9	28.8	29.0	29.0	29.0	28.9	27.8	28.2	28.0	28.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-3-13 (1989)

Steubenville-Weirton MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1989[a]

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$503.22	$473.06	$464.13	$476.74	$487.72	$495.32	$508.08	$500.09	$512.03	$532.17	$519.39	$553.11	$519.94
Durable Goods[b]	531.41	501.17	490.81	502.68	515.16	524.92	538.80	528.94	543.35	562.70	548.47	579.54	542.53
Primary Metal Industries	558.66	524.96	517.65	519.72	537.43	551.49	564.53	554.40	570.42	593.81	577.03	618.32	578.34
Nondurable Goods[c]	169.62	147.51	144.95	169.04	162.40	163.84	161.26	169.20	174.94	161.07	176.39	193.13	218.13
Wholesale Trade	327.25	325.13	330.24	319.96	325.25	326.61	319.35	323.40	328.83	327.93	322.94	333.59	341.25
Retail Trade[d]	164.15	159.02	160.68	162.66	167.90	167.04	165.88	165.59	163.86	160.13	165.25	163.80	165.25

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-2-13 (1989)

Steubenville–Weirton MSA

Nonagricultural Wage and Salary Employment, 1988[a]
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	50.5	48.9	49.0	49.6	50.4	50.6	51.2	50.5	50.7	50.9	51.4	51.4	51.3
Goods–Producing Industries	19.8	19.4	19.3	19.4	19.4	19.4	19.8	20.1	20.2	20.5	20.4	20.2	20.0
Mining	1.0	1.0	1.0	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Construction	1.3	.9	1.0	1.1	1.1	1.2	1.4	1.5	1.5	1.8	1.8	1.5	1.3
Manufacturing	17.5	17.5	17.4	17.4	17.2	17.2	17.4	17.6	17.7	17.7	17.6	17.8	17.8
Durable Goods[c]	15.8	15.8	15.7	15.7	15.5	15.5	15.6	15.8	15.9	15.9	15.9	16.0	16.1
Primary Metal Industries	12.9	13.0	12.9	12.9	12.8	12.7	12.9	12.9	12.9	12.9	12.8	12.9	12.9
Nondurable Goods[d]	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
Service–Producing Industries	30.7	29.5	29.8	30.2	31.1	31.2	31.4	30.4	30.4	30.4	31.0	31.2	31.2
Transportation and Public Utilities	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.2	3.2
Wholesale Trade	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.3	1.3
Retail Trade	8.8	8.3	8.2	8.4	8.8	9.0	9.0	8.8	9.0	9.0	9.0	9.0	9.2
General Merchandise Stores	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.7	1.7
Finance, Insurance, and Real Estate	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7
Services	9.7	9.1	9.3	9.5	9.9	10.0	10.1	9.8	9.8	9.5	9.9	10.0	9.9
Health Services	4.4	4.2	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.4	4.4	4.4	4.4
Hospitals	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4
Government	6.0	6.1	6.2	6.3	6.2	6.1	6.1	5.5	5.5	5.7	6.0	6.1	6.1
Local Government	5.1	5.3	5.4	5.4	5.4	5.3	5.2	4.6	4.6	4.8	5.1	5.2	5.2
Local Government Education	3.2	3.3	3.4	3.4	3.4	3.4	3.4	2.8	2.8	3.0	3.2	3.3	3.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-13 (1988)

Steubenville-Weirton MSA

Nonagricultural Wage and Salary Employment, 1979-1987[a]
(in thousands)

Industry	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	62.9	60.0	58.1	52.3	49.5	50.3	48.9	50.3	50.8
Goods-Producing Industries	30.2	27.5	26.1	21.7	19.6	20.5	18.7	20.0	19.9
Mining	1.3	1.1	.9	1.0	1.2	1.2	1.2	1.2	1.1
Construction	2.3	2.4	2.0	2.5	1.6	1.6	1.4	1.3	1.3
Manufacturing	26.7	24.0	23.2	18.3	16.8	17.6	16.1	17.5	17.6
Durable Goods[c]	24.2	21.7	20.8	16.2	14.9	15.7	14.3	15.8	15.9
Primary Metal Industries	19.9	17.6	17.0	13.3	12.0	13.0	11.9	13.3	13.3
Nondurable Goods[d]	2.5	2.3	2.4	2.1	1.9	1.9	1.7	1.7	1.7
Service-Producing Industries	32.7	32.5	32.1	30.6	29.8	29.8	30.3	30.3	30.8
Transportation and Public Utilities	4.3	4.2	4.2	4.0	3.6	3.6	3.5	3.3	3.3
Wholesale Trade	1.5	1.1	1.2	1.1	1.1	1.2	1.2	1.2	1.2
Retail Trade	9.5	9.2	8.9	8.3	8.1	8.3	8.5	8.7	8.8
General Merchandise Stores	1.8	1.6	1.4	1.3	1.4	1.4	1.4	1.4	1.4
Finance, Insurance, and Real Estate	1.6	1.6	1.6	1.4	1.4	1.5	1.6	1.6	1.7
Services	9.5	9.7	9.8	9.4	9.4	9.1	9.1	9.2	9.7
Health Services	3.9	4.1	4.2	4.2	4.2	4.0	3.9	4.0	4.3
Hospitals	2.5	2.7	2.7	2.8	2.7	2.4	2.3	2.2	2.3
Government	6.4	6.7	6.5	6.3	6.3	6.3	6.3	6.3	6.2
Local Government	5.7	5.8	5.6	5.5	5.4	5.5	5.5	5.4	5.4
Local Government Education	3.5	3.6	3.3	3.3	3.3	3.3	3.4	3.3	3.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Based on March 1989 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [r]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-5-90 RS-790-1-13 (1979-1987)

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark. Employment data for 1989 will be revised at the next benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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Labor Market Review

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Ohio Labor Market Information

Labor Market Review

September 1990

Summary. Ohio's seasonally adjusted unemployment rate rose slightly from 5.0 percent in August to 5.2 percent in September 1990. The national rate advanced from 5.6 percent to 5.7 percent during the same period. Total employment in Ohio, at 5,166,000 in September, was 8,000 lower than in August. The number of unemployed Ohioans increased 12,000 from August to 284,000. Nonagricultural wage and salary employment (seasonally adjusted), at 4,938,000 in September, was virtually unchanged from August. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was down 2,000 from August to 1,336,000 in September. Scattered decreases in durable-goods industries, especially transportation equipment, were responsible for the decline. Durable-goods employment, at 743,000, was down 4,000, while nondurable-goods employment rose 2,000 to 375,000. Both construction, at 200,000, and mining, at 18,000, were little changed from August.

Service-Producing Industries. There were 3,602,000 people employed in service-producing industries in September, up 1,000 from August. Employment increases occurred in services (+2,000) and in transportation and public utilities (+1,000). Wholesale trade, retail trade, and finance, insurance, and real estate had little or no change in employment. Employment in government declined 2,000 over the month.

Over the Year. Ohio's unemployment rate decreased from 5.3 percent in September 1989 to 5.2 percent in September 1990. The national rate rose from 5.3 percent to 5.7 percent over the year. Total employment in Ohio was up 13,000 from September 1989, while total unemployment was 4,000 lower. Since September 1989, nonfarm payroll employment increased 103,000. The largest gains were in services (+43,000), retail trade (+29,000), and government (+15,000). Wholesale trade and construction also had notable increases. Manufacturing employment dropped 5,000 over the year. The decline occurred in durable goods, as losses in industrial machinery and equipment, electronic and other electric equipment, and fabricated metal products were partially offset by gains in printing and publishing and in chemicals and allied products.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of $556.42 in September, up $19.64 from August. Their average workweek of 43.2 hours was 0.8 hours longer. Nearly all industries had increased earnings due to more overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, iron and steel foundries, general industrial machinery, and blast furnace and basic steel products.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Benefits and Costs. There were 47,849 initial claims filed under the Ohio Unemployment Compensation Law in September, down 11.1 percent from August but up 7.1 percent from September 1989. Total benefits paid dropped 28.3 percent to $39.5 million. The average weekly benefit check of $166.02 was $4.06 lower than in August. The average weekly number of benefit recipients, at 61,382, declined 11.0 percent. At the end of September, there were 207,760 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 27,833 new job applicants in September, down 21.6 percent from August, and down 13.6 percent from September 1989. The Employment Services Division made 21,396 job referrals in September, down 14.8 percent from August. Total placements declined 23.4 percent over the month to 5,092.

Collection Method Alternatives For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

In This Issue

Summary 1
Seasonally Adjusted Series
  Current Data 3
  Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
  Historical Data 7
  Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Minor Metropolitan Areas 46
  Hamilton–Middletown PMSA Data 47
  Lima MSA Data 48
  Lorain–Elyria PMSA Data 49
  Mansfield MSA Data 50
  Steubenville–Weirton MSA Data 51

Technical Notes 52
Employment Service Activities and Unemployment Insurance Activities 53

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Sep. 1990	Aug. 1990	Sep. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,450	5,446	5,441	4	9	.1	.2
Employment	5,166	5,174	5,153	-8	13	-.2	.3
Unemployment	284	272	288	12	-4	4.4	-1.4
Unemployment Rate	5.2	5.0	5.3				
Employer Survey Data[e]							
Total	4,938	4,938	4,835	-1	103	.0	2.1
Goods–Producing Industries	1,336	1,338	1,334	-2	2	-.1	.2
Mining	18	18	18	0	0	-.5	-1.1
Coal Mining	7	7	8	0	0	-.9	-3.5
Oil and Gas Extraction	6	6	6	0	0	-.2	-.9
Construction	200	200	193	1	7	.3	3.6
General Building Contractors	47	47	46	0	1	.2	2.3
Heavy Construction, Except Building	23	23	23	0	0	.8	-1.4
Special Trade Contractors	130	130	124	0	6	.3	5.1
Manufacturing	1,118	1,120	1,122	-2	-5	-.2	-.4
Durable Goods	743	747	752	-4	-9	-.5	-1.2
Lumber and Wood Products	23	23	23	0	1	1.5	3.5
Furniture and Fixtures	15	15	15	0	0	-.1	-1.2
Stone, Clay, and Glass Products	45	45	45	0	0	-.4	-.3
Primary Metal Industries	102	101	103	1	-1	1.0	-.6
Fabricated Metal Products	135	136	136	-1	-2	-.9	-1.1
Industrial Machinery and Equipment	165	166	168	-1	-3	-.5	-1.6
Electronic and Other Electric Equipment	76	77	80	-1	-3	-1.0	-4.2
Transportation Equipment	141	142	140	-2	0	-1.3	.2
Instruments and Related Products	25	26	27	0	-1	-1.1	-4.7
Nondurable Goods	375	373	371	2	4	.5	1.2
Food and Kindred Products	64	62	63	1	1	2.4	.9
Apparel and Other Textile Products	15	15	15	0	0	-.5	-1.0
Paper and Allied Products	38	38	37	0	0	.0	.8
Printing and Publishing	76	76	75	0	2	.1	2.4
Chemicals and Allied Products	67	67	65	0	2	.4	2.6
Rubber and Misc. Plastics Products	97	97	97	0	0	.0	.0
Service–Producing Industries	3,602	3,601	3,501	1	101	.0	2.9
Transportation and Public Utilities	219	218	216	1	3	.6	1.5
Transportation	130	129	126	1	5	.7	3.6
Communications, Electric, Gas Services	89	89	91	0	-1	.3	-1.5

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Sep. 1990	Aug. 1990	Sep. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	274	274	266	0	8	-.1	2.9
Wholesale Trade-Durable Goods	173	173	168	0	5	-.1	2.7
Wholesale Trade-Nondurable Goods	101	101	97	0	3	-.1	3.2
Retail Trade	938	939	909	0	29	-.1	3.2
Building Materials and Garden Supplies	36	36	35	0	1	-.1	4.0
General Merchandise Stores	128	128	126	0	2	-.3	1.5
Food Stores	143	144	141	-1	2	-.7	1.7
Automotive Dealers and Service Stations	103	103	100	0	3	.0	3.0
Apparel and Accessory Stores	53	53	49	0	4	.6	8.4
Furniture and Homefurnishings Stores	34	34	32	0	2	.2	6.2
Eating and Drinking Places	316	316	310	0	6	.1	1.9
Miscellaneous Retail	124	124	116	0	8	.3	7.0
Finance, Insurance, and Real Estate	257	257	254	0	4	-.1	1.4
Finance	121	121	120	0	1	-.2	.6
Depository Institutions	91	91	91	0	0	-.2	-.1
Insurance	93	93	91	0	1	-.2	1.4
Real Estate	44	44	42	0	2	.4	3.9
Services	1,191	1,189	1,148	2	43	.2	3.7
Hotels and Other Lodging Places	39	39	38	0	1	.3	2.0
Personal Services	55	55	54	0	1	.2	2.3
Business Services	220	218	206	2	14	.8	6.7
Amusements, Including Motion Pictures	56	56	57	0	0	.4	-.8
Health Services	399	399	387	1	13	.2	3.3
Legal Services	30	30	29	0	2	.2	6.0
Educational Services	61	62	60	-1	1	-1.9	.9
Social Services	77	76	73	0	3	.6	4.6
Membership Organizations	81	82	79	-1	2	-.7	2.3
Engineering and Management Services	89	88	85	0	4	.5	4.2
Government	722	724	708	-2	15	-.2	2.1
Federal Government	95	95	97	0	-2	-.3	-2.0
State Government	164	165	159	-1	5	-.7	3.4
State Government Education	86	87	83	-1	3	-1.7	3.7
Local Government	463	463	452	0	11	.0	2.5
Local Government Education	270	270	265	0	5	-.1	1.9

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July
5,446	5,174	272	5.0	5.6	August
5,450	5,166	284	5.2	5.7	September

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

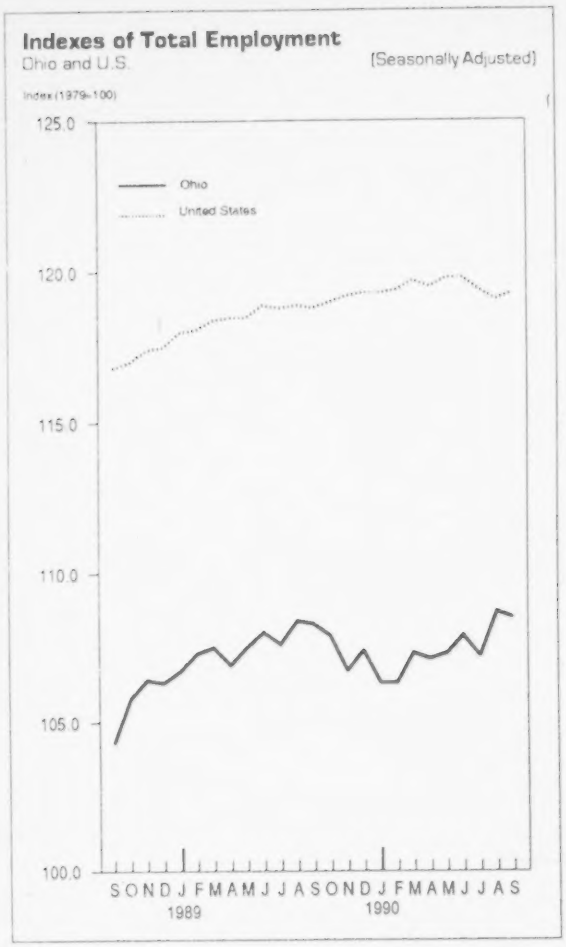
Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,727	1,320	19	186	1,115	September
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,928	1,341	18	199	1,124	June
4,928	1,334	18	198	1,118	July
4,938	1,338	18	200	1,120	August
4,938	1,336	18	200	1,118	September

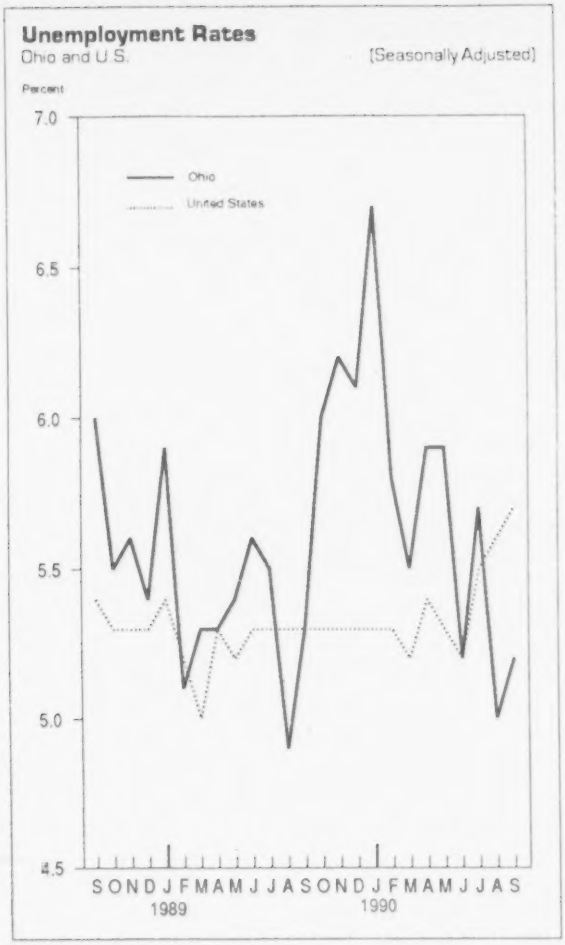
Service–Producing Employment

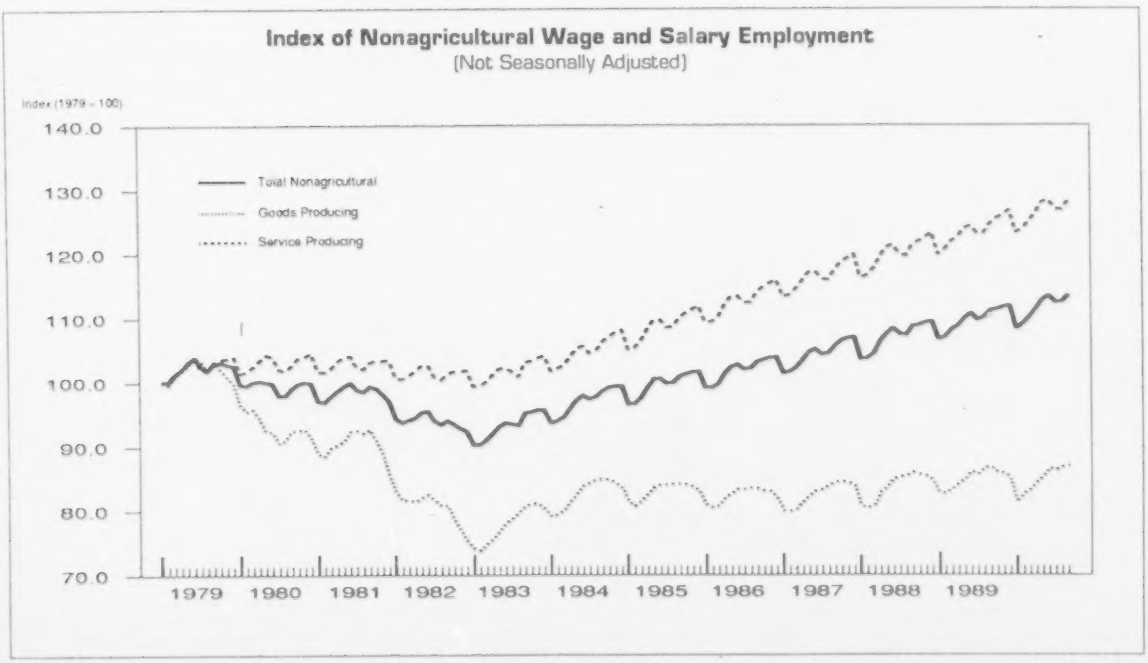
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,594	218	July	273	937	257	July	1,182	726
3,601	218	August	274	939	257	August	1,189	724
3,602	219	September	274	938	257	September	1,191	722

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
S O N D J F M A M J J A S O N D J F M A M J J A S
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
S O N D J F M A M J J A S O N D J F M A M J J A S
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,877.8	1,361.7	18.5	211.8	1,131.4	September
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,977.7	1,357.5	18.4	209.5	1,129.7	June
4,934.0	1,353.1	18.5	216.6	1,118.1	July
4,938.2	1,361.9	18.4	219.9	1,123.6	August
4,981.2	1,364.6	18.3	219.3	1,126.9	September

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,576.4	221.1	August	274.6	948.3	260.4	August	1,202.5	669.5
3,616.6	222.2	September	273.7	945.9	258.5	September	1,208.8	707.5

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,382.3	978.1	404.2
1,264.3	880.3	384.1
1,232.6	858.2	374.4
1,099.9	750.5	349.4
1,066.0	721.9	344.1
1,127.0	771.7	355.4
1,124.2	767.0	357.3
1,109.8	751.0	358.8
1,098.9	738.9	360.0
1,110.6	747.3	363.4
1,123.0	753.2	369.8
1,131.4	755.5	375.9
1,116.3	742.1	374.2
1,123.0	749.5	373.5
1,121.7	750.0	371.7
1,087.3	719.3	368.0
1,113.8	745.8	368.0
1,114.8	746.1	368.7
1,118.4	748.5	369.9
1,120.5	749.3	371.2
1,129.7	754.2	375.5
1,118.1	743.4	374.6
1,123.6	746.6	377.0
1,126.9	746.6	380.3

Production Workers in Manufacturing

	Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1979	979.0	$318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.5	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	751.4	375.5	32.0
1988	762.3	393.0	32.8
1989	770.6	403.4	32.9
1989			
September	776.2	408.6	33.1
October	765.6	398.9	32.5
November	770.4	405.9	32.9
December	769.6	405.9	32.8
1990			
January	735.8	376.7	30.9
February	761.0	394.7	31.9
March	761.9	403.1	32.2
April	765.2	395.7	31.8
May	766.2	415.5	32.8
June	772.7	423.3	33.2
July	759.6	404.2	32.1
August	765.3	410.8	32.4
September	769.0	427.9	33.2

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
515.57	538.16	466.31
523.50	542.23	478.19
526.49	545.67	484.15
521.10	539.30	482.69
526.92	545.24	484.68
527.39	546.12	485.62
511.98	524.15	485.72
518.72	536.36	478.67
529.17	548.26	483.89
517.09	534.18	478.06
542.28	564.19	493.08
547.82	571.14	497.12
532.14	550.35	491.99
536.78	555.93	493.92
556.42	580.29	504.81

Production Worker Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1987	42.6	42.9	41.9
1988	43.0	43.4	42.2
1989	42.7	43.0	41.8
1989			
September	42.7	43.0	42.1
October	42.4	42.7	41.9
November	42.7	43.0	42.0
December	42.6	42.9	41.9
1990			
January	42.0	42.1	41.8
February	41.9	42.2	41.3
March	42.3	42.6	41.5
April	41.5	41.7	41.0
May	42.8	43.2	42.0
June	43.0	43.4	42.2
July	42.2	42.4	41.8
August	42.4	42.6	42.0
September	43.2	43.5	42.6

Production Worker Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1979	$7.84	$8.06	$7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	11.99	12.40	11.05
1989	12.26	12.61	11.44
1989			
September	12.33	12.69	11.50
October	12.29	12.63	11.52
November	12.34	12.68	11.54
December	12.38	12.73	11.59
1990			
January	12.19	12.45	11.62
February	12.38	12.71	11.59
March	12.51	12.87	11.66
April	12.46	12.81	11.66
May	12.67	13.06	11.74
June	12.74	13.16	11.78
July	12.61	12.98	11.77
August	12.66	13.05	11.76
September	12.88	13.34	11.85

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.4	100.6	135.2	August	165.6	77.0	141.5	August	64.7	76.5	96.9
46.1	102.2	135.6	September	165.2	76.9	140.2	September	67.3	76.5	97.4

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
504.14	681.39	550.78	September	566.72	477.34	754.97	September	494.76	492.86	460.48

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	4981.2	4938.2	4877.8	43.0	103.4
Goods-Producing Industries	1364.6	1361.9	1361.7	2.7	2.9
Mining	18.3	18.4	18.5	.0	-.2
Coal Mining	7.5	7.5	7.8	.0	-.3
Oil and Gas Extraction	5.7	5.7	5.7	.0	0
Construction	219.3	219.9	211.8	-.6	7.5
General Building Contractors	50.4	50.8	49.3	-.5	1.1
Nonresidential Building Construction	24.9	24.9	25.0	-.1	-.1
Heavy Construction, Except Building	27.6	27.4	28.1	.3	-.4
Highway and Street Construction	10.0	10.0	10.6	.0	-.6
Special Trade Contractors	141.3	141.7	134.5	-.4	6.8
Manufacturing	1126.9	1123.6	1131.4	3.4	-4.4
Durable Goods[f]	746.6	746.6	755.5	.0	-8.8
Lumber and Wood Products	23.8	23.6	23.0	.2	.8
Millwork, Plywood and Structural Members	10.5	10.6	10.5	-.1	.0
Furniture and Fixtures	15.4	15.3	15.5	.0	-.2
Stone, Clay, and Glass Products	46.1	46.4	46.3	-.3	-.2
Primary Metal Industries	102.2	100.6	102.8	1.6	-.6
Blast Furnace and Basic Steel Products	47.1	46.9	47.1	.2	.1
Iron and Steel Foundries	20.3	19.6	20.5	.7	-.2
Nonferrous Rolling and Drawing	16.7	16.2	17.2	.5	-.5
Nonferrous Foundries	10.8	10.7	10.8	.0	-.1
Fabricated Metal Products	135.6	135.2	137.1	.4	-1.5
Fabricated Structural Metal Products	30.6	30.6	31.0	.1	-.3
Metal Forgings and Stampings	39.0	38.6	39.4	.4	-.4
Industrial Machinery and Equipment	165.2	165.6	167.9	-.3	-2.6
Construction and Related Machinery	14.1	14.3	14.1	-.2	.0
Metalworking Machinery	47.1	47.3	48.0	-.2	-.9
Special Industry Machinery	16.9	16.9	17.4	.0	-.4
General Industrial Machinery	26.1	26.1	26.3	.0	-.2
Computer and Office Equipment	11.1	11.3	11.4	-.2	-.3
Refrigeration and Service Machinery	14.9	14.9	16.2	.0	-1.3
Electronic and Other Electric Equipment	76.9	77.0	80.2	-.2	-3.4
Electrical Industrial Apparatus	12.1	11.9	12.7	.2	-.6
Household Appliances	15.1	15.4	15.7	-.4	-.7
Electric Lighting and Wiring Equipment	16.4	16.2	16.6	.2	-.2
Electronic Components and Accessories	11.3	11.3	11.6	-.1	-.3
Transportation Equipment	140.2	141.5	139.8	-1.2	.4
Motor Vehicles and Equipment	94.6	95.7	94.5	-1.1	.2
Aircraft and Parts	36.7	36.8	36.5	-.1	.2
Instruments and Related Products	25.6	25.8	26.9	-.2	-1.3
Measuring and Controlling Devices	15.6	15.8	16.5	-.3	-1.0
Nondurable Goods[g]	380.3	377.0	375.9	3.4	4.4
Food and Kindred Products	67.3	64.7	66.7	2.6	.6
Dairy Products	10.8	10.8	10.2	.0	.6
Preserved Fruits and Vegetables	13.4	11.0	13.8	2.4	-.3
Bakery Products	9.6	9.7	10.0	-.1	-.3
Apparel and Other Textile Products	15.3	15.2	15.5	.2	-.2
Paper and Allied Products	38.0	37.9	37.7	.1	.3
Paperboard Containers and Boxes	14.1	14.0	13.7	.1	.4
Miscellaneous Converted Paper Products	12.2	12.2	12.1	.0	.1
Printing and Publishing	76.5	76.5	74.6	.1	1.9
Newspapers	19.5	19.4	18.8	.1	.7
Commercial Printing	28.0	28.0	27.6	.0	.5
Chemicals and Allied Products	67.3	67.4	65.6	-.1	1.7
Plastics Materials and Synthetics	9.8	10.0	9.8	-.2	.0
Rubber and Miscellaneous Plastics Products	97.4	96.9	97.4	.6	.0
Tires and Inner Tubes	16.0	16.0	15.6	.0	.4
Miscellaneous Plastics Products	59.3	58.7	58.8	.6	.5
Service-Producing Industries	3616.6	3576.4	3516.0	40.3	100.6
Transportation and Public Utilities	222.2	221.1	219.0	1.2	3.3
Transportation	132.5	131.2	127.9	1.4	4.6
Railroad Transportation	12.2	12.3	12.9	-.1	-.7
Trucking and Warehousing	79.3	78.6	76.8	.7	2.6
Transportation by Air	14.6	14.4	13.4	.3	1.3
Communications, Electric, Gas Services	89.7	89.9	91.1	-.2	-1.3
Communications	46.5	46.4	47.5	.1	-1.0
Electric, Gas, and Sanitary Services	43.2	43.6	43.6	-.3	-.3

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Wholesale Trade	273.7	274.6	266.0	-.9	7.7
Wholesale Trade-Durable Goods	173.2	173.7	168.6	-.5	4.6
Motor Vehicles, Parts, and Supplies	23.0	23.1	22.8	-.1	.1
Professional and Commercial Equipment	33.2	33.3	32.4	-.1	.8
Metals and Minerals, Except Petroleum	11.6	11.6	11.2	.1	.4
Electrical Goods	18.9	18.9	18.5	.0	.4
Hardware, Plumbing and Heating Equipment	13.0	13.1	12.6	-.1	.4
Machinery, Equipment, and Supplies	43.3	43.5	42.0	-.2	1.3
Wholesale Trade-Nondurable Goods	100.5	100.9	97.4	-.4	3.1
Groceries and Related Products	33.3	33.5	32.0	-.2	1.3
Retail Trade	945.9	948.3	916.8	-2.4	29.1
Building Materials and Garden Supplies	36.8	37.3	35.4	-.5	1.4
Lumber and Other Building Materials	18.8	19.0	18.2	-.3	.5
General Merchandise Stores	126.5	125.7	124.7	.8	1.8
Department Stores	103.2	102.5	101.1	.7	2.1
Variety Stores	13.9	13.8	13.7	.1	.2
Food Stores	143.9	144.7	141.4	-.8	2.5
Grocery Stores	126.9	127.6	124.9	-.7	2.0
Automotive Dealers and Service Stations	103.7	104.3	100.7	-.6	3.0
New and Used Car Dealers	45.5	45.6	44.4	-.1	1.1
Gasoline Service Stations	36.5	36.6	34.6	-.2	1.9
Apparel and Accessory Stores	53.2	52.9	49.0	.3	4.2
Furniture and Homefurnishings Stores	33.8	33.6	31.8	.2	2.0
Eating and Drinking Places	324.4	327.0	318.3	-2.6	6.1
Miscellaneous Retail	123.6	122.8	115.5	.8	8.1
Drug Stores and Proprietary Stores	32.6	32.5	31.0	.2	1.6
Nonstore Retailers	23.6	23.5	21.9	.1	1.8
Finance, Insurance, and Real Estate	258.5	260.4	254.9	-1.9	3.6
Finance	121.2	122.0	120.5	-.9	.7
Depository Institutions	91.1	91.8	91.2	-.8	-.1
Commercial Banks	64.5	65.1	64.0	-.6	.6
Insurance	92.6	92.9	91.3	-.3	1.3
Insurance Carriers	70.4	70.8	70.0	-.3	.4
Life Insurance	25.8	25.9	25.8	-.1	.0
Fire, Marine, and Casualty Insurance	31.9	32.3	31.0	-.3	.9
Real Estate	44.8	45.5	43.1	-.7	1.7
Services	1208.8	1202.5	1165.8	6.2	43.0
Hotels and Other Lodging Places	40.3	41.4	39.5	-1.1	.8
Personal Services	54.5	54.0	53.3	.5	1.2
Business Services	223.8	222.3	209.8	1.5	14.0
Services to Buildings	33.9	34.1	33.0	-.2	.9
Personnel Supply Services	79.8	78.5	74.1	1.3	5.7
Computer and Data Processing Services	28.2	28.3	26.0	.0	2.2
Amusements, Including Motion Pictures	67.1	70.9	67.6	-3.8	-.5
Health Services	401.5	401.1	388.7	.4	12.8
Nursing and Personal Care Facilities	87.4	87.1	84.3	.3	3.1
Hospitals	193.2	193.4	188.7	-.2	4.6
Legal Services	30.4	30.8	28.6	-.4	1.7
Educational Services	59.2	48.5	58.6	10.6	.6
Colleges and Universities	32.1	24.4	32.0	7.8	.2
Social Services	76.7	75.3	73.4	1.5	3.4
Residential Care	23.7	23.7	22.3	-.1	1.4
Membership Organizations	80.7	82.3	78.8	-1.6	1.8
Engineering and Management Services	89.1	89.4	85.6	-.3	3.5
Engineering and Architectural Services	27.4	27.5	26.4	-.1	1.0
Accounting, Auditing, and Bookkeeping	21.6	21.6	20.8	.1	.8
Research and Testing Services	19.3	19.8	18.9	-.4	.4
Management and Public Relations	20.7	20.5	19.4	.2	1.3
Government	707.5	669.5	693.6	38.0	13.9
Federal Government	94.9	95.9	96.9	-.9	-2.0
U.S. Postal Service	33.3	33.8	34.1	-.5	-.8
State Government	154.2	144.1	149.4	10.1	4.8
State Government Hospitals	15.9	15.9	15.9	.0	.0
State Government Education[h]	75.6	64.3	73.1	11.3	2.5
Local Government	458.4	429.6	447.4	28.8	11.1
Local Government Hospitals	15.1	15.1	14.8	.0	.3
Local Government Education	264.9	229.3	260.1	35.6	4.8

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Goods-Producing Industries	$573.95	$556.14	$510.30	42.8	42.1	40.5	$13.41	$13.21	$12.60
Mining	622.56	624.06	612.90	44.5	44.8	45.4	13.99	13.93	13.50
Coal Mining	718.20	727.18	755.43	42.0	42.7	45.1	17.10	17.03	16.75
Construction	653.21	639.94	608.70	40.8	40.4	39.5	16.01	15.84	15.41
General Building Contractors	577.46	550.00	548.05	41.1	40.0	39.8	14.05	13.75	13.77
Heavy Construction, Except Building	751.52	716.53	640.31	44.0	43.4	40.5	17.08	16.51	15.81
Special Trade Contractors	654.00	650.77	621.69	40.0	39.9	39.1	16.35	16.31	15.90
Manufacturing	556.42	536.78	526.49	43.2	42.4	42.7	12.88	12.66	12.33
Durable Goods[f]	580.29	555.93	545.67	43.5	42.6	43.0	13.34	13.05	12.69
Lumber and Wood Product	313.05	318.27	334.95	38.6	39.1	40.6	8.11	8.14	8.25
Millwork, Plywood and Structural Members	366.96	369.56	378.01	41.7	41.9	43.7	8.80	8.82	8.65
Furniture and Fixtures	409.60	411.08	378.84	42.8	43.0	41.0	9.57	9.56	9.24
Stone, Clay, and Glass Products	504.14	495.20	476.43	43.2	42.8	42.5	11.67	11.57	11.21
Primary Metal Industries	681.39	649.82	628.97	45.7	44.6	44.2	14.91	14.57	14.23
Blast Furnace and Basic Steel Products	696.00	673.90	625.35	46.9	46.0	43.7	14.84	14.65	14.31
Iron and Steel Foundries	748.90	676.06	664.50	46.4	43.9	44.3	16.14	15.40	15.00
Nonferrous Rolling and Drawing	719.34	679.39	699.49	43.1	41.2	43.8	16.69	16.49	15.97
Nonferrous Foundries	463.10	474.90	473.37	43.2	44.3	44.7	10.72	10.72	10.59
Fabricated Metal Products	550.78	524.97	523.13	43.3	42.2	42.6	12.72	12.44	12.28
Fabricated Structural Metal Products	503.26	488.05	456.12	43.8	43.0	42.0	11.49	11.35	10.86
Metal Forgings and Stampings	703.13	655.12	671.59	44.7	43.1	44.3	15.73	15.20	15.16
Industrial Machinery and Equipment	566.72	546.08	528.04	44.0	43.1	43.0	12.88	12.67	12.28
Construction and Related Machinery	460.96	445.22	442.95	40.4	39.4	40.6	11.41	11.30	10.91
Metalworking Machinery	539.13	526.48	520.78	44.3	43.8	43.8	12.17	12.02	11.89
Special Industry Machinery	531.47	520.90	517.87	44.4	43.7	44.3	11.97	11.92	11.69
General Industrial Machinery	682.86	623.89	578.78	46.9	44.5	43.0	14.56	14.02	13.46
Computer and Office Equipment	462.07	479.76	476.15	41.0	41.9	42.4	11.27	11.45	11.23
Refrigeration and Service Machinery	657.08	592.04	558.81	43.4	41.0	40.7	15.14	14.44	13.73
Electronic and Other Electric Equipment	477.34	465.12	458.97	41.4	40.8	41.2	11.53	11.40	11.14
Electrical Industrial Apparatus	470.85	450.78	439.45	43.0	41.7	42.5	10.95	10.81	10.34
Household Appliances	495.26	486.40	475.56	40.2	40.0	39.4	12.32	12.16	12.07
Electric Lighting and Wiring Equipment	503.38	499.75	462.80	40.4	40.4	40.0	12.46	12.37	11.57
Electronic Components and Accessories	354.06	330.48	337.02	41.9	40.5	41.1	8.45	8.16	8.20
Transportation Equipment	754.97	706.55	720.50	45.1	43.4	45.4	16.74	16.28	15.87
Motor Vehicles and Equipment	787.15	726.52	748.63	45.5	43.4	45.9	17.30	16.74	16.31
Aircraft and Parts	677.10	669.48	661.27	44.4	43.9	44.5	15.25	15.25	14.86
Instruments and Related Products	399.80	396.00	386.24	40.1	40.0	40.7	9.97	9.90	9.49
Measuring and Controlling Devices	391.17	377.26	380.84	39.0	38.3	40.3	10.03	9.85	9.45
Nondurable Goods[g]	504.81	493.92	484.15	42.6	42.0	42.1	11.85	11.76	11.50
Food and Kindred Products	494.76	485.78	458.05	43.4	42.5	42.1	11.40	11.43	10.88
Dairy Products	501.51	485.90	488.51	43.8	43.0	43.5	11.45	11.30	11.23
Preserved Fruits and Vegetables	530.10	535.68	460.37	45.0	43.2	41.7	11.78	12.40	11.04
Bakery Products	506.28	497.73	474.28	40.6	40.4	39.1	12.47	12.32	12.13
Apparel and Other Textile Products	354.01	308.07	300.27	42.6	39.7	38.3	8.31	7.76	7.84
Paper and Allied Products	531.33	522.14	514.15	44.8	44.4	44.4	11.86	11.76	11.58
Paperboard Containers and Boxes	486.69	464.98	435.50	45.4	44.2	42.2	10.72	10.52	10.32
Miscellaneous Converted Paper Products	487.29	489.95	457.91	43.9	44.1	44.2	11.10	11.11	10.36
Printing and Publishing	492.86	472.03	468.00	40.8	39.8	40.0	12.08	11.86	11.70
Newspapers	376.96	377.42	390.44	33.3	33.4	34.4	11.32	11.30	11.35
Commercial Printing	514.61	475.86	473.89	43.1	41.2	41.9	11.94	11.55	11.31
Chemicals and Allied Products	613.74	612.58	588.31	43.1	43.2	42.6	14.24	14.18	13.81
Plastics Materials and Synthetics	691.06	675.12	683.27	43.6	43.5	44.6	15.85	15.52	15.32
Rubber and Miscellaneous Plastics Products	460.48	452.19	451.78	41.9	41.6	42.5	10.99	10.87	10.63
Tires and Inner Tubes	710.74	712.36	691.51	44.2	44.0	44.7	16.08	16.19	15.47
Miscellaneous Plastics Products	443.64	436.13	435.93	41.5	41.3	42.2	10.69	10.56	10.33
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	638.91	620.26	612.16	42.2	41.6	41.9	15.14	14.91	14.61
Communications	584.35	572.57	590.36	40.3	39.9	41.4	14.50	14.35	14.26
Electric, Gas, and Sanitary Services	703.99	674.25	636.00	44.5	43.5	42.4	15.82	15.50	15.00
Wholesale Trade	419.15	419.15	408.72	39.1	39.1	39.3	10.72	10.72	10.40
Wholesale Trade-Durable Goods	415.52	416.58	398.11	39.2	39.3	39.3	10.60	10.60	10.13
Motor Vehicles, Parts, and Supplies	345.58	345.77	336.14	37.0	37.3	37.6	9.34	9.27	8.94
Metals and Minerals, Except Petroleum	476.30	474.03	467.57	42.3	42.4	42.7	11.26	11.18	10.95
Wholesale Trade-Nondurable Goods	427.75	424.08	427.19	39.1	38.8	39.3	10.94	10.93	10.87

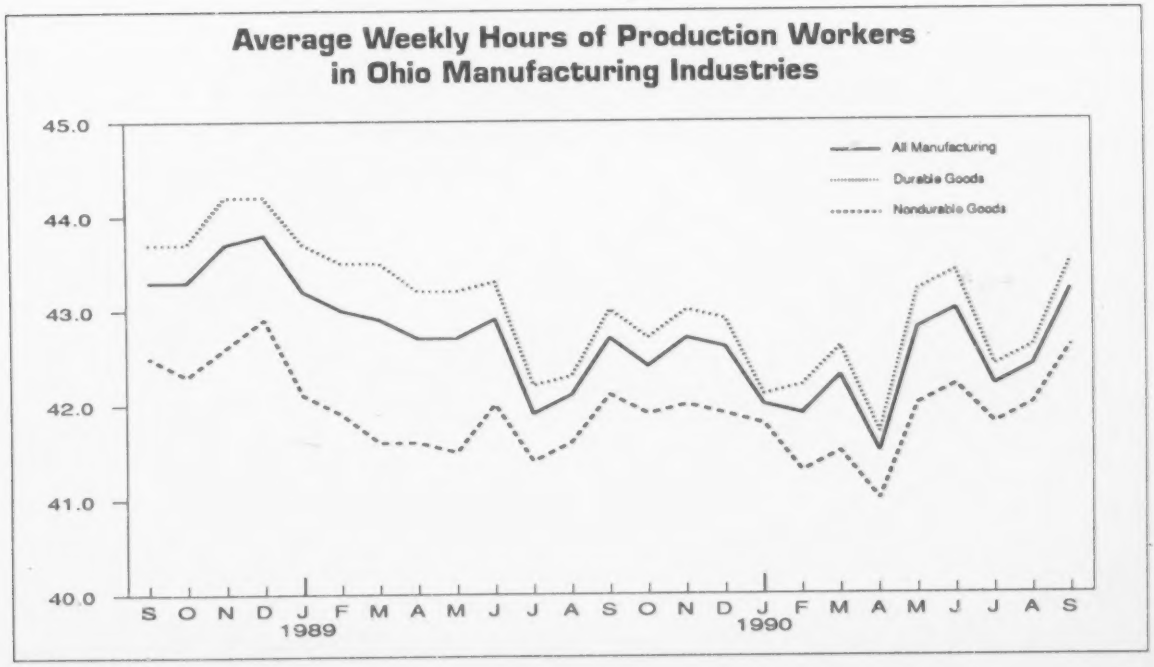
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

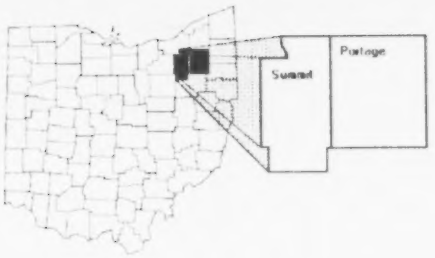
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Retail Trade[i]	$180.32	$180.20	$175.51	28.0	28.2	28.4	$6.44	$6.39	$6.18
General Merchandise Stores	194.94	194.87	186.34	28.5	28.7	28.8	6.84	6.79	6.47
Department Stores	198.08	198.72	190.90	28.5	28.8	29.1	6.95	6.90	6.56
Finance, Insurance, and Real Estate	351.42	350.07	340.91	....	....	....	.....	.....	.....
Finance	324.03	323.64	317.84	....	....	....	.....	.....	.....
Depository Institutions	276.19	275.87	271.00	....	....	....	.....	.....	.....
Commercial Banks	270.46	270.67	268.76	....	....	....	.....	.....	.....
Insurance	419.05	417.21	408.39	....	....	....	.....	.....	.....
Insurance Carriers	408.65	404.00	393.70	....	....	....	.....	.....	.....
Life Insurance	379.46	374.96	368.04	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	440.40	437.14	418.38	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	244.27	246.42	215.20	32.7	32.9	31.6	7.47	7.49	6.81
Health Services	319.64	317.05	303.69	31.9	31.8	31.9	10.02	9.97	9.52
Nursing and Personal Care Facilities	213.38	213.41	199.71	31.8	31.9	31.6	6.71	6.69	6.32
Hospitals	377.03	372.94	361.78	32.7	32.6	32.8	11.53	11.44	11.03
Engineering and Management Services	478.41	482.20	459.20	35.1	35.3	34.5	13.63	13.66	13.31
Engineering and Architectural Services	659.57	662.83	625.12	32.3	32.7	31.7	20.42	20.27	19.72
Research and Testing Services	383.72	402.84	362.62	36.2	37.3	34.7	10.60	10.80	10.45

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.



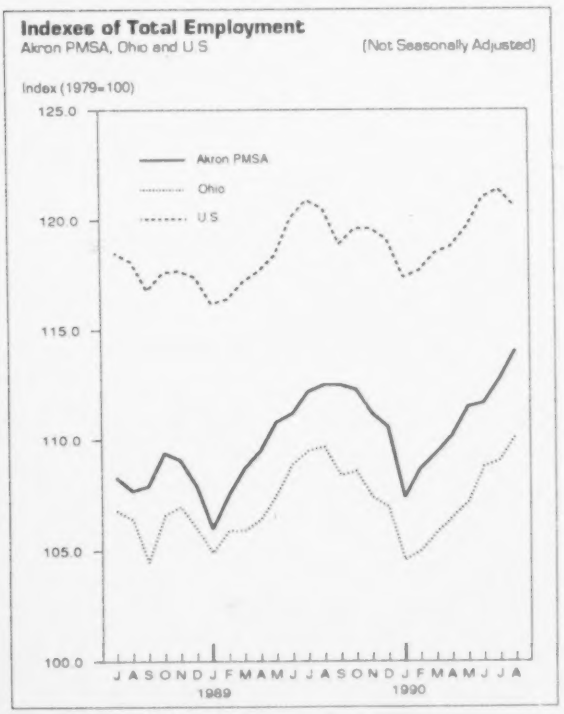
Akron Primary Metropolitan Statistical Area

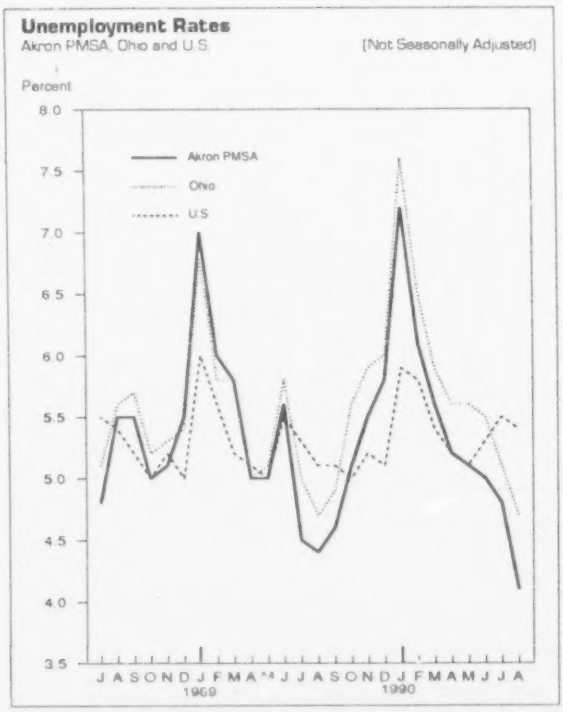


Nonagricultural payroll employment in the Akron metropolitan area totaled 297,400 in September 1990, up 6,300 from the August level. The return of nonteaching personnel in state and local schools and colleges raised employment in service-producing industries 5,700. Modest improvements in durable-goods manufacturing, especially fabricated metal products and industrial machinery and equipment, increased employment in goods-producing industries 600 over the month to 80,600. Factory production workers averaged $12.18 per hour, little changed from August. Their average workweek of 43.7 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 8,300 between September 1989 and September 1990. The service-producing sector added 7,500 jobs. A major portion of the growth occurred in services (+3,800) and retail trade (+2,000). Goods-producing industries gained 800 employees over the year primarily due to slight expansion in construction and manufacturing. Increased production in rubber and miscellaneous plastics products outweighed reductions in transportation equipment, industrial machinery and equipment, and electronic and other electric equipment.

Seasonally adjusted employment in the Akron area declined 1,000 from August to 292,000 in September 1990 mainly due to a decrease in government. Since September 1989, total payroll employment advanced 8,000. Leading growth industries were services (+4,000) and retail trade (+2,000). Modest gains were also posted in transportation and public utilities and in government.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11
338.0	321.8	16.2	4.8	July	290.1	67.6	38.3	509.92	42.6	11.97
339.7	325.6	14.1	4.1	August	291.2	67.9	38.6	529.40	43.5	12.17
INA	INA	INA	INA	September	297.4	68.4	39.0	532.27	43.7	12.18

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	215	14	16	57	11	71	46
292	79	10	68	September	213	14	16	57	11	71	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	297.4	291.2	289.1	6.3	8.3
Goods-Producing Industries[e]	80.6	80.0	79.7	.6	.8
Construction	11.5	11.5	11.0	.0	.5
Manufacturing	68.4	67.9	68.1	.5	.3
Durable Goods[f]	34.9	34.4	35.1	.5	-.2
Fabricated Metal Products	11.2	11.0	11.2	.2	.0
Fabricated Structural Metal Products	4.9	4.9	4.9	.0	.0
Industrial Machinery and Equipment	10.1	10.0	10.3	.2	-.1
Metalworking Machinery	4.0	3.9	3.9	.1	.1
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.8	4.8	5.0	.0	-.2
Nondurable Goods[g]	33.6	33.6	33.0	.0	.5
Food and Kindred Products	3.1	3.1	3.1	.0	.0
Chemicals and Allied Products	3.7	3.7	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	20.8	20.7	20.3	.0	.5
Tires and Inner Tubes	11.5	11.5	11.2	.0	.2
Service-Producing Industries	216.9	211.2	209.4	5.7	7.5
Transportation and Public Utilities	13.7	13.7	13.3	.0	.4
Communications, Electric, Gas Services	4.7	4.7	4.7	.0	.0
Wholesale Trade	16.0	16.0	15.5	-.1	.5
Retail Trade	57.8	57.4	55.8	.4	2.0
General Merchandise Stores	7.6	7.4	7.4	.1	.2
Food Stores	9.2	9.2	9.2	.1	.0
Finance, Insurance, and Real Estate	10.8	10.9	10.7	-.1	.1
Finance	5.4	5.4	5.4	-.1	.0
Services	73.0	73.8	69.2	-.7	3.8
Business Services	12.3	12.3	11.7	.0	.7
Personnel Supply Services	3.4	3.4	3.3	.0	.0
Amusements, Including Motion Pictures	8.9	9.7	7.8	-.9	1.1
Health Services	22.5	22.5	21.7	.1	.9
Nursing and Personal Care Facilities	4.0	4.0	3.8	.0	.2
Hospitals	11.1	11.0	10.8	.1	.3
Social Services	4.8	4.8	4.7	.1	.2
Engineering and Management Services	5.4	5.4	5.1	.0	.4
Government	45.7	39.4	45.0	6.3	.7
Federal Government	2.4	2.5	2.4	.0	.0
State Government	17.0	12.1	16.9	4.9	.2
State Government Education[h]	14.1	9.1	13.9	5.0	.2
Local Government	26.2	24.8	25.7	1.4	.5
Local Government Education	14.1	12.2	13.8	1.8	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

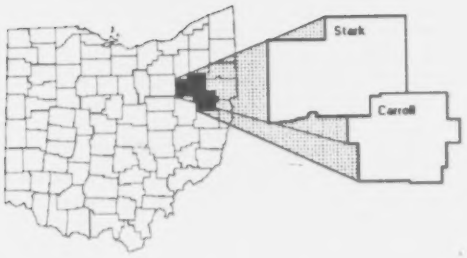
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$532.27	$529.40	$511.49	43.7	43.5	43.2	$12.18	$12.17	$11.84
Durable Goods[f]	545.08	547.28	535.48	44.1	44.1	44.0	12.36	12.41	12.17
Fabricated Metal Products	699.37	701.66	691.96	45.8	45.8	46.1	15.27	15.32	15.01
Fabricated Structural Metal Products	550.69	549.77	474.05	45.7	45.7	42.9	12.05	12.03	11.05
Industrial Machinery and Equipment	496.38	492.38	483.35	44.8	44.6	45.3	11.08	11.04	10.67
Metalworking Machinery	538.87	533.57	522.26	45.9	45.8	46.3	11.74	11.65	11.28
Electronic and Other Electric Equipment	439.72	437.02	386.28	42.2	41.9	39.7	10.42	10.43	9.73
Transportation Equipment	622.57	614.80	608.18	42.7	42.4	42.5	14.58	14.50	14.31
Nondurable Goods[g]	512.99	505.14	480.24	43.0	42.7	42.2	11.93	11.83	11.38
Food and Kindred Products	385.73	392.24	406.69	39.2	39.7	42.9	9.84	9.88	9.48
Chemicals and Allied Products	571.06	562.72	546.75	44.2	44.1	44.2	12.92	12.76	12.37
Rubber and Miscellaneous Plastics Products	523.16	523.03	489.19	44.0	44.1	43.1	11.89	11.86	11.35
Transportation and Public Utilities[e]	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	600.00	589.11	614.67	40.9	40.6	41.9	14.67	14.51	14.67
Wholesale Trade	362.45	365.27	355.99	36.5	36.6	36.7	9.93	9.98	9.70
Retail Trade[i]	217.97	222.17	215.60	30.7	30.9	31.8	7.10	7.19	6.78
General Merchandise Stores	197.57	201.60	208.15	29.4	30.0	31.3	6.72	6.72	6.65
Food Stores	313.69	314.16	337.35	37.3	37.4	39.0	8.41	8.40	8.65
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	281.68	283.78	272.59	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

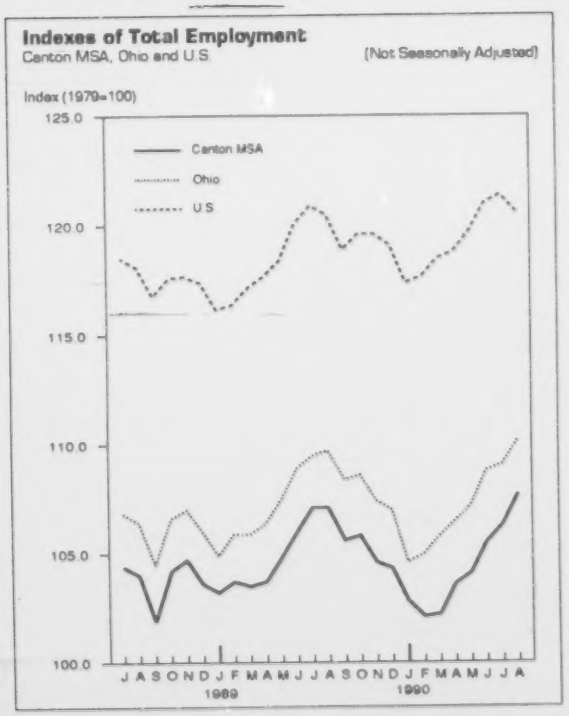
Canton Metropolitan Statistical Area

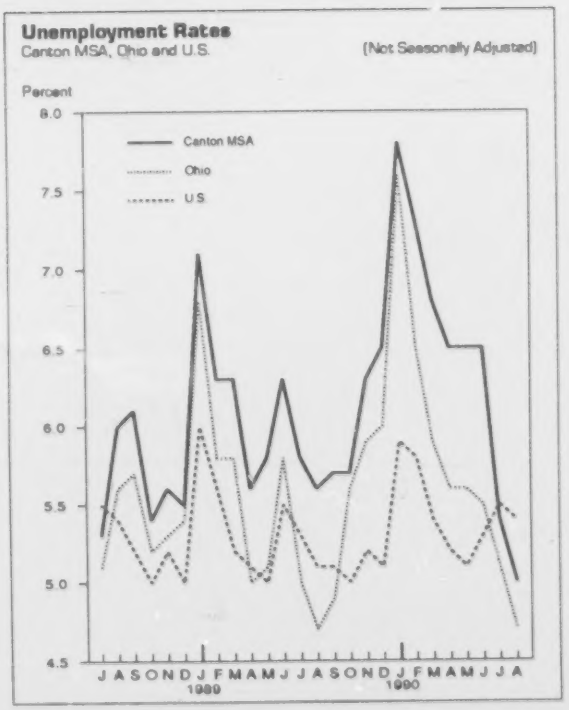


Nonfarm payroll employment in the Canton metropolitan area rose 1,200 above the August level to 169,600 in September 1990. The return of nonteaching personnel in local schools increased employment in service-producing industries 800. Scattered improvements among producers of durable-goods manufacturing, particularly primary metal industries and electronic and other electric equipment, raised employment in goods-producing industries 500 over the month to 54,900. Factory production workers averaged $11.50 per hour, up 11 cents from August. Their average workweek was 0.5 hours longer at 43.0 hours.

Nonagricultural wage and salary employment advanced 3,300 between September 1989 and September 1990. Expansion in the service-producing sector contributed 90.9 percent of the gain. Leading growth industries were services (+1,500) and retail trade (+900). The workforce in goods-producing industries added 400 jobs during the period as improvements in construction outweighed declines in manufacturing. Over-the-year reductions in fabricated metal products, rubber and miscellaneous plastics products, and electronic and other electric equipment negated modest increases in primary metal industries and food and kindred products.

Seasonally adjusted employment in the Canton area was unchanged from the August level at 168,000 in September 1990. Since September 1989, total payroll employment advanced 3,000. Growth in services, retail trade, government, and construction more than offset a decrease in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
196.9	187.0	9.9	5.0	August	168.4	45.3	31.6	484.08	42.5	11.39
INA	INA	INA	INA	September	169.6	45.8	32.2	494.50	43.0	11.50

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	[illegible]	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20
168	54	8	45	September	114	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	169.6	168.4	166.3	1.2	3.3
Goods-Producing Industries[e]	54.9	54.4	54.6	.5	.4
Construction	8.3	8.3	7.8	.0	.5
Manufacturing	45.8	45.3	46.0	.5	-.2
Durable Goods[f]	34.0	33.6	34.1	.4	-.1
Primary Metal Industries	12.1	11.9	11.6	.3	.5
Fabricated Metal Products	5.6	5.7	6.3	.0	-.6
Electronic and Other Electric Equipment	4.0	3.9	4.2	.1	-.2
Nondurable Goods[g]	11.8	11.7	11.9	.0	-.1
Food and Kindred Products	3.5	3.4	3.3	.0	.2
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.2	.0	-.4
Service-Producing Industries	114.7	113.9	111.7	.8	3.0
Transportation and Public Utilities	5.7	5.7	5.8	.0	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.7	8.5	.0	.1
Retail Trade	34.0	34.0	33.0	.0	.9
General Merchandise Stores	4.0	4.0	4.1	.0	-.1
Food Stores	5.6	5.6	5.6	.0	.0
Finance, Insurance, and Real Estate	6.7	6.9	6.9	-.1	-.2
Finance	3.9	4.0	4.0	-.1	.0
Services	40.2	40.0	38.7	.1	1.5
Health Services	16.3	16.3	15.8	.0	.5
Nursing and Personal Care Facilities	3.9	3.9	3.7	.0	.2
Hospitals	7.6	7.6	7.4	.0	.2
Government	19.5	18.6	18.8	.8	-.6
Federal Government	1.4	1.4	1.3	.0	.0
State Government (Includes Education)	1.8	1.7	1.7	.1	.1
Local Government	16.3	15.5	15.8	.8	.5
Local Government Education	9.7	8.6	9.4	1.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

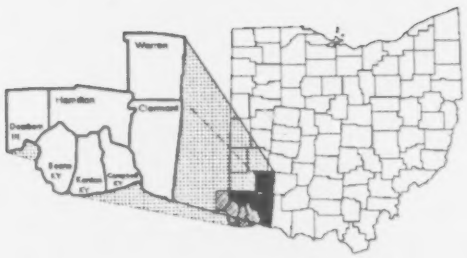
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$494.50	$484.08	$466.99	43.0	42.5	41.4	$11.50	$11.39	$11.28
Durable Goods[f]	514.79	501.98	488.46	43.7	43.2	42.0	11.78	11.62	11.63
Primary Metal Industries	564.57	558.30	488.04	45.9	45.8	42.0	12.30	12.19	11.62
Fabricated Metal Products	450.43	441.69	507.73	40.8	40.3	42.1	11.04	10.96	12.06
Electronic and Other Electric Equipment	584.44	548.26	549.38	41.1	39.5	41.4	14.22	13.88	13.27
Nondurable Goods[g]	429.39	431.98	402.56	40.7	40.6	39.7	10.55	10.64	10.14
Food and Kindred Products	432.22	459.20	404.16	39.4	41.0	38.2	10.97	11.20	10.58
Rubber and Miscellaneous Plastics Products	400.90	385.31	403.24	40.7	39.6	41.4	9.85	9.73	9.74
Transportation and Public Utilities	.....	.....	.....	...	....	....	.....	.....	.....
Communications, Electric, Gas Services	600.06	587.82	603.83	41.1	40.4	41.5	14.60	14.55	14.55
Wholesale Trade	391.17	388.16	373.32	39.0	38.7	37.9	10.03	10.03	9.85
Retail Trade[i]	174.23	175.69	169.26	27.7	28.2	28.4	6.29	6.23	5.96
General Merchandise Stores	192.49	196.04	186.15	28.1	29.0	29.5	6.85	6.76	6.31
Food Stores	167.31	164.67	157.82	28.6	28.1	27.4	5.85	5.86	5.76
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	193.07	188.63	175.82	30.5	29.8	29.7	6.33	6.33	5.92

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Cincinnati Primary Metropolitan Statistical Area

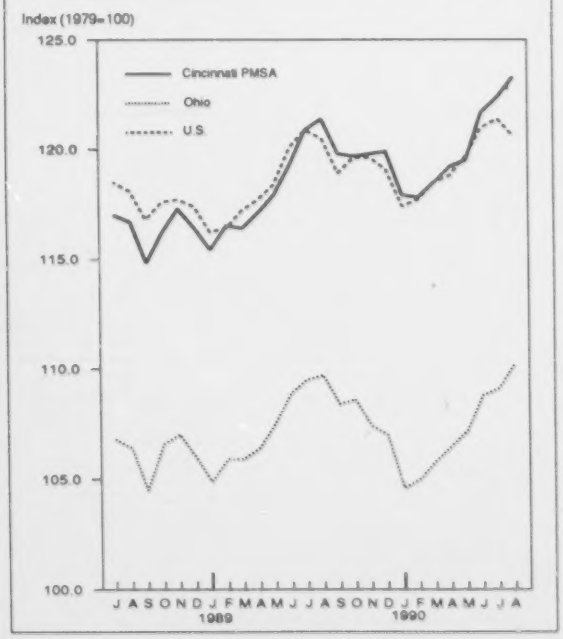


In the Cincinnati metropolitan area, nonfarm payroll employment rose 5,300 above the August level to 761,400 in September 1990. The return of nonteaching personnel in local and state schools and colleges and in private schools and more business in transportation and public utilities increased the workforce in service-producing industries 5,000. Employment in goods-producing industries, at 188,000, gained 400 jobs. Scattered improvements among manufacturers of durable and nondurable goods more than offset declines in construction. Factory production workers averaged $12.17 per hour, down fractionally from August. Their average workweek was slightly longer at 43.6 hours.

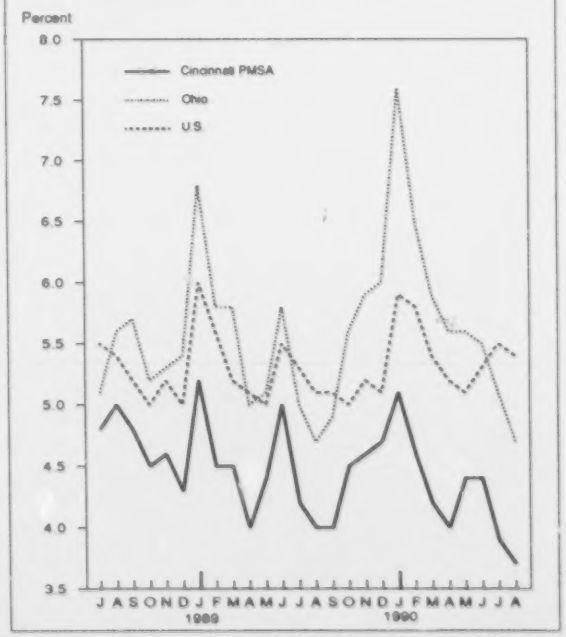
Nonagricultural wage and salary employment advanced 23,400 between September 1989 and September 1990. Service-producing industries added 21,200 jobs. Significant expansion was recorded in retail trade (+7,700) and services (+7,000). Noteworthy growth also occurred in local government, transportation and public utilities, and wholesale trade. Improvements in construction and manufacturing raised employment in the goods-producing sector 2,200 over the year. Modest gains were registered in transportation equipment, printing and publishing, and chemicals and allied products.

Seasonally adjusted employment in the Cincinnati area decreased 1,000 from August to 753,000 in September 1990. Declines in government, retail trade, and construction negated gains in transportation and public utilities and in services. Since September 1989, total payroll employment advanced 23,000. Primary areas of expansion were retail trade (+7,000) and services (+7,000). Improvements were also posted in transportation and public utilities, wholesale trade, government, and construction.

Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
800.4	768.8	31.6	3.9	July	754.7	148.7	93.3	516.86	43.0	12.02
804.3	774.2	30.1	3.7	August	756.1	148.9	93.5	529.83	43.5	12.18
INA	INA	INA	INA	September	761.4	149.8	94.5	530.61	43.6	12.17

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
754	184	36	148	August	570	41	50	152	43	190	94
753	184	35	148	September	569	42	50	151	43	191	92

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	761.4	756.1	738.0	5.3	23.4
Goods-Producing Industries[e]	188.0	187.6	185.8	.4	2.2
Construction	37.8	38.2	36.4	-.5	1.4
Manufacturing	149.8	148.9	148.9	.8	.9
Durable Goods[f]	80.7	80.3	80.9	.4	-.2
Fabricated Metal Products	12.3	12.1	12.5	.2	-.2
Fabricated Structural Metal Products	4.6	4.5	4.7	.1	.0
Industrial Machinery and Equipment	19.3	19.2	19.5	.1	-.2
Electronic and Other Electric Equipment	7.6	7.5	7.9	.1	-.3
Transportation Equipment	25.0	25.0	24.5	.0	.5
Motor Vehicles and Equipment	5.0	4.9	5.0	.1	.0
Instruments and Related Products	3.6	3.5	3.6	.0	-.1
Nondurable Goods[g]	69.0	68.6	68.0	.4	1.1
Food and Kindred Products	12.2	12.3	12.2	-.1	.0
Beverages	2.9	2.9	2.8	.0	.1
Apparel and Other Textile Products	3.4	3.4	3.6	.0	-.2
Paper and Allied Products	6.1	6.0	5.8	.1	.2
Printing and Publishing	14.8	14.7	14.3	.1	.5
Commercial Printing	6.5	6.4	6.3	.1	.2
Chemicals and Allied Products	22.7	22.7	22.3	.1	.5
Rubber and Miscellaneous Plastics Products	7.0	6.9	7.0	.1	.0
Service-Producing Industries	573.4	568.4	552.2	5.0	21.2
Transportation and Public Utilities	42.1	41.4	40.2	.7	1.9
Transportation	25.6	24.9	24.0	.7	1.6
Trucking and Warehousing	11.5	11.3	10.9	.2	.7
Transportation by Air	7.0	6.9	6.2	.1	.7
Communications, Electric, Gas Services	16.5	16.5	16.3	.0	.3
Communications	9.7	9.6	9.8	.0	-.2
Wholesale Trade	49.5	49.7	47.9	-.2	1.6
Wholesale Trade-Durable Goods	29.0	29.1	28.6	-.1	.5
Retail Trade	152.3	152.6	144.6	-.3	7.7
General Merchandise Stores	22.6	22.3	21.3	.2	1.3
Finance, Insurance, and Real Estate	43.5	43.7	43.0	-.2	.5
Finance	17.6	17.7	17.3	-.1	.3
Depository Institutions	13.8	13.9	13.6	-.1	.2
Commercial Banks	9.7	9.7	9.4	-.1	.2
Insurance	16.9	16.9	17.1	.0	-.2
Insurance Carriers	14.1	14.1	14.3	.0	-.3
Life Insurance	6.6	6.7	6.9	.0	-.2
Fire, Marine, and Casualty Insurance	5.4	5.3	5.1	.0	.3
Services	194.4	194.0	187.4	.4	7.0
Hotels and Other Lodging Places	7.9	8.1	7.6	-.2	.3
Personal Services	8.6	8.5	8.2	.1	.4
Business Services	38.8	38.8	37.0	.0	1.8
Services to Buildings	6.2	6.3	5.8	-.1	.4
Computer and Data Processing Services	5.0	5.0	4.7	.0	.3
Amusements, Including Motion Pictures	14.1	14.2	14.1	-.1	.0
Health Services	58.6	58.5	56.3	.1	2.3
Nursing and Personal Care Facilities	11.3	11.3	11.0	.0	.3
Hospitals	27.8	27.9	26.9	.0	.9
Legal Services	4.6	4.7	4.3	.0	.3
Educational Services	6.7	5.8	6.7	.9	.0
Social Services	12.7	12.7	12.2	.0	.5
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.3	17.3	16.3	.0	1.0
Engineering and Architectural Services	6.0	5.9	5.6	.1	.4
Government	91.6	87.1	89.0	4.5	2.6
Federal Government	16.1	16.0	15.7	.1	.4
State Government	20.4	19.6	19.9	.8	.5
State Government Education[h]	12.0	11.2	11.7	.8	.3
Local Government	55.1	51.4	53.4	3.7	1.7
Local Government Education	30.7	26.1	29.7	4.6	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

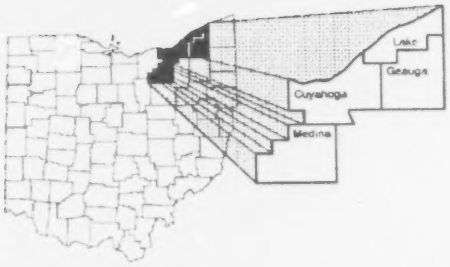
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$530.61	$529.83	$506.48	43.6	43.5	43.4	$12.17	$12.18	$11.67
Durable Goods[f]	530.42	523.74	501.40	43.8	43.5	43.6	12.11	12.04	11.50
Fabricated Metal Products	447.98	440.75	425.00	43.2	43.0	42.8	10.37	10.25	9.93
Fabricated Structural Metal Products	521.10	516.29	485.55	45.0	44.7	45.0	11.58	11.55	10.79
Industrial Machinery and Equipment	490.91	471.22	466.90	43.1	42.3	42.6	11.39	11.14	10.96
Electronic and Other Electric Equipment	405.30	386.92	387.89	42.0	40.6	42.3	9.65	9.53	9.17
Transportation Equipment	828.76	832.13	784.43	48.1	48.1	47.0	17.23	17.30	16.69
Motor Vehicles and Equipment	967.01	996.56	914.64	51.3	52.7	50.2	18.85	18.91	18.22
Instruments and Related Products	432.10	410.92	364.11	44.5	43.3	45.4	9.71	9.49	8.02
Nondurable Goods[g]	529.13	534.25	511.92	43.3	43.4	43.2	12.22	12.31	11.85
Food and Kindred Products	499.23	482.58	527.91	43.0	42.0	44.7	11.61	11.49	11.81
Beverages	567.84	553.83	557.21	42.0	41.3	42.6	13.52	13.41	13.08
Apparel and Other Textile Products	269.60	261.21	247.16	39.3	38.3	38.8	6.86	6.82	6.37
Paper and Allied Products	467.75	461.67	466.12	42.6	42.2	43.0	10.98	10.94	10.84
Printing and Publishing	525.39	519.96	496.65	42.2	42.0	41.7	12.45	12.38	11.91
Commercial Printing	575.22	564.75	547.07	45.4	45.0	45.4	12.67	12.55	12.05
Chemicals and Allied Products	651.51	690.23	609.96	44.2	46.2	43.6	14.74	14.94	13.99
Rubber and Miscellaneous Plastics Products	470.34	439.56	433.51	46.8	44.4	44.6	10.05	9.90	9.72
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	606.92	588.13	601.64	40.3	39.9	40.9	15.06	14.74	14.71
Communications	612.22	587.39	612.65	39.6	38.9	40.6	15.46	15.10	15.09
Wholesale Trade	445.90	446.75	437.89	39.6	39.5	39.7	11.26	11.31	11.03
Retail Trade[i]	177.59	178.70	171.34	28.1	28.5	28.7	6.32	6.27	5.97
General Merchandise Stores	225.75	222.83	202.27	30.1	30.4	30.1	7.50	7.33	6.72
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	301.38	304.58	286.85	....	....	....	.....	.....	.....
Commercial Banks	269.56	272.15	259.86	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	417.42	415.11	403.86	....	....	....	.....	.....	.....
Life Insurance	423.78	422.77	413.32	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	432.13	425.81	412.50	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	437.53	433.29	398.36	32.7	32.8	32.1	13.38	13.21	12.41
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	657.91	648.97	661.42	41.3	41.1	42.7	15.93	15.79	15.49

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

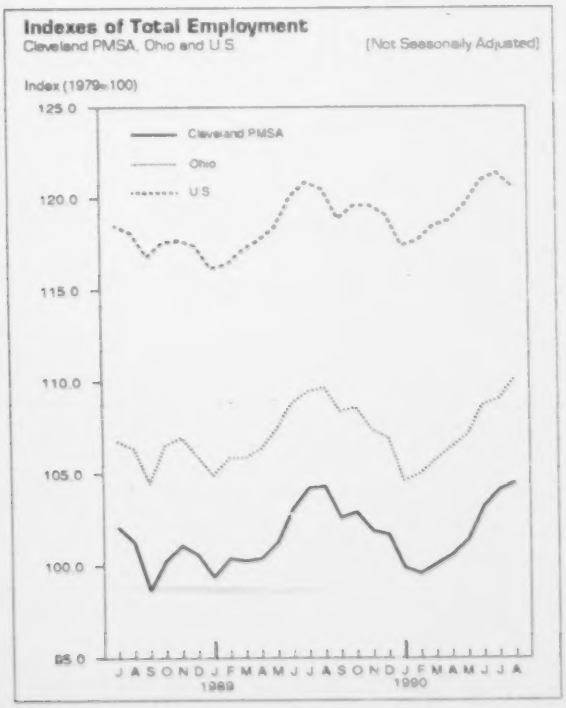
Cleveland Primary Metropolitan Statistical Area

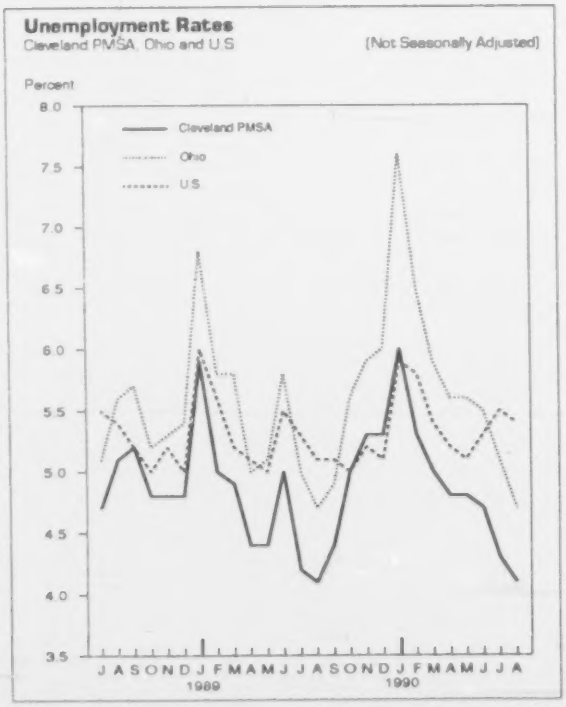


Nonfarm wage and salary employment in the Cleveland metropolitan area rose 5,300 above the August level to 965,600 in September 1990. Service-producing industries added 3,300 workers primarily due to the return of nonteaching personnel in local and private schools. Increased production in manufacturing, especially transportation equipment and food and kindred products, raised employment in goods-producing industries 2,000 over the month to 246,100. Factory production workers averaged $12.24 per hour, up 10 cents from August. Their average workweek of 42.9 hours was 0.2 hours longer.

Nonagricultural payroll employment advanced 19,700 between September 1989 and September 1990. Employment in the service-producing sector rose 18,300. A major portion of the growth occurred in services, particularly business services and engineering and management services, and in retail trade. Noteworthy gains were also posted in wholesale trade and local government. Moderate expansion in construction increased employment in goods-producing industries 1,400 during the period. The manufacturing workforce declined slightly as over-the-year reductions in industrial machinery and equipment and primary metal industries negated improvements in printing and publishing, chemicals and allied products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Cleveland area increased 6,000 from August to 959,000 in September 1990. Gains in government and manufacturing outweighed a decline in services. Since September 1989, total payroll employment advanced 20,000. Leading growth sectors were services (+8,000), retail trade (+6,000), and wholesale trade (+2,000).





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
967.6	925.6	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14
968.4	929.1	39.3	4.1	August	960.2	205.6	130.8	518.38	42.7	12.14
INA	INA	INA	INA	September	965.6	207.6	133.0	525.10	42.9	12.24

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
953	241	34	206	August	712	43	69	166	58	262	115
959	242	34	207	September	717	43	69	166	58	261	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment [in thousands]			Change[d] [in thousands]	
	Sep 1990[b]	Aug 1990[c]	Sep 1989[c]	From Last Month	From Last Year
Total	965.6	960.2	945.9	5.3	19.7
Goods-Producing Industries[e]	246.1	244.1	244.7	2.0	1.4
Construction	37.6	37.6	36.1	0	1.5
Special Trade Contractors	25.5	25.5	24.9	-.1	.6
Manufacturing	207.6	205.6	207.7	2.0	-.1
Durable Goods[f]	141.0	140.0	142.3	1.0	-1.3
Stone, Clay, and Glass Products	3.8	3.8	3.6	0	.2
Primary Metal Industries	20.9	20.7	21.4	.2	-.5
Iron and Steel Foundries	4.2	4.1	4.6	.1	-.3
Fabricated Metal Products	34.2	34.1	34.1	.1	.1
Screw Machine Products, Bolts, etc	5.0	4.9	5.1	.1	-.1
Metal Forgings and Stampings	10.8	10.9	10.9	-.1	0
Industrial Machinery and Equipment	33.0	33.1	34.2	-.1	-1.2
Metalworking Machinery	12.9	13.0	13.2	-.2	-.3
Electronic and Other Electric Equipment	15.4	15.4	15.3	-.1	.1
Electrical Industrial Apparatus	4.3	4.3	4.4	0	-.1
Electric Lighting and Wiring Equipment	5.1	5.1	5.2	0	-.1
Transportation Equipment	19.2	18.4	19.2	.9	0
Motor Vehicles and Equipment	12.2	11.3	12.1	.8	.1
Instruments and Related Products	7.0	7.0	7.1	0	-.1
Measuring and Controlling Devices	5.2	5.1	4.9	.0	.3
Nondurable Goods[g]	66.6	65.6	65.4	1.0	1.2
Food and Kindred Products	6.8	6.1	6.7	.7	.1
Apparel and Other Textile Products	3.2	3.1	3.2	.1	0
Paper and Allied Products	5.7	5.8	5.9	0	-.2
Printing and Publishing	17.4	17.5	16.9	.0	.5
Chemicals and Allied Products	15.2	15.2	14.8	0	.4
Rubber and Miscellaneous Plastics Products	12.1	12.0	11.8	.1	.3
Miscellaneous Plastics Products	7.7	7.6	7.3	.1	.4
Service-Producing Industries	719.5	716.2	701.2	3.3	18.3
Transportation and Public Utilities	43.6	43.4	42.7	.2	.9
Transportation	26.8	26.5	25.2	.3	1.6
Trucking and Warehousing	11.9	11.9	11.7	0	.2
Transportation by Air	5.6	5.4	5.0	.2	.6
Communications, Electric, Gas Services	16.8	16.9	17.5	-.1	-.8
Communications	10.0	10.0	10.2	.0	-.2
Electric, Gas, and Sanitary Services	6.7	6.8	7.3	-.1	-.5
Wholesale Trade	68.9	69.1	66.9	-.3	2.0
Wholesale Trade-Durable Goods	46.9	47.1	45.6	-.1	1.4
Motor Vehicles, Parts, and Supplies	4.1	4.0	4.2	.1	-.1
Professional and Commercial Equipment	9.2	9.2	9.2	-.1	.0
Retail Trade	166.9	167.2	160.9	-.3	6.0
General Merchandise Stores	21.2	21.0	20.5	.2	.7
Finance, Insurance, and Real Estate	58.2	58.7	57.3	-.5	.8
Finance	28.1	28.4	27.9	-.3	.2
Depository Institutions	20.8	21.1	20.7	-.3	.1
Commercial Banks	13.0	13.2	13.0	-.2	.0
Insurance	18.7	18.8	18.4	.0	.3
Insurance Carriers	14.2	14.2	14.0	.0	.2
Fire, Marine, and Casualty Insurance	6.4	6.5	6.3	-.1	.1
Services	264.6	264.0	257.1	.7	7.5
Business Services	56.2	56.0	53.2	.2	2.9
Personnel Supply Services	21.9	21.5	20.3	.3	1.6
Computer and Data Processing Services	7.1	7.1	6.5	.0	.6
Amusements, Including Motion Pictures	13.0	13.8	13.6	-.8	-.6
Health Services	80.3	80.4	79.5	-.1	.8
Nursing and Personal Care Facilities	13.8	13.9	13.4	-.1	.4
Hospitals	43.7	43.8	44.2	-.1	-.4
Legal Services	9.9	10.0	9.7	-.1	.2
Educational Services	17.0	15.1	16.8	2.0	.2
Social Services	14.3	14.0	13.5	.2	.7
Residential Care	3.9	4.0	3.6	.0	.3
Engineering and Management Services	22.6	22.7	21.4	-.1	1.3
Engineering and Architectural Services	8.3	8.3	7.9	-.1	.3
Accounting, Auditing, and Bookkeeping	6.5	6.6	6.4	-.1	.2
Management and Public Relations	5.0	4.9	4.4	.1	.6
Government	117.4	113.9	116.4	3.6	1.1
Federal Government	20.0	20.0	20.6	.0	-.6
State Government	7.6	7.8	7.3	-.2	.3
State Government Education[h]	2.6	2.5	2.3	.1	.3
Local Government	89.9	86.1	88.4	3.8	1.4
Local Government Education	43.7	38.2	44.4	5.5	-.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

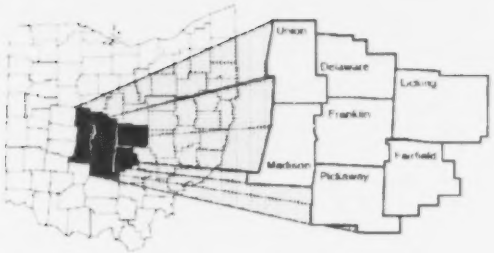
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$525.10	$518.38	$517.65	42.9	42.7	43.5	$12.24	$12.14	$11.90
Durable Goods[f]	557.67	552.45	547.28	43.5	43.5	44.1	12.82	12.70	12.41
Stone, Clay, and Glass Products	498.87	514.11	484.04	41.4	42.7	41.3	12.05	12.04	11.72
Primary Metal Industries	570.57	533.82	548.28	45.5	44.3	45.2	12.54	12.05	12.13
Iron and Steel Foundries	967.61	849.88	895.78	50.9	47.4	49.3	19.01	17.93	18.17
Fabricated Metal Products	550.40	552.12	534.44	43.0	43.0	43.1	12.80	12.84	12.40
Screw Machine Products, Bolts, etc.	535.73	532.82	521.08	43.1	42.9	43.1	12.43	12.42	12.09
Metal Forgings and Stampings	699.33	701.32	650.13	44.8	44.5	43.4	15.61	15.76	14.98
Industrial Machinery and Equipment	546.40	559.10	537.43	44.1	44.8	44.6	12.39	12.48	12.05
Metalworking Machinery	532.95	506.26	544.96	43.9	42.4	45.3	12.14	11.94	12.03
Electronic and Other Electric Equipment	423.46	424.50	422.71	40.6	40.7	41.2	10.43	10.43	10.26
Electrical Industrial Apparatus	442.66	456.93	446.34	42.4	43.6	43.0	10.44	10.48	10.38
Electric Lighting and Wiring Equipment	399.51	395.26	382.98	38.6	38.3	39.2	10.35	10.32	9.77
Transportation Equipment	757.67	741.32	751.64	44.7	44.1	46.0	16.95	16.81	16.34
Motor Vehicles and Equipment	852.85	836.24	850.36	46.1	45.3	47.4	18.50	18.46	17.94
Instruments and Related Products	464.20	472.76	419.23	42.2	42.4	40.9	11.00	11.15	10.25
Measuring and Controlling Devices	477.73	468.68	454.53	43.0	42.3	42.4	11.11	11.08	10.72
Nondurable Goods[g]	444.80	439.11	443.30	41.3	41.0	41.9	10.77	10.71	10.58
Food and Kindred Products	471.55	460.02	486.18	41.4	41.0	43.8	11.39	11.22	11.10
Apparel and Other Textile Products	388.22	371.72	373.35	38.9	37.7	39.3	9.98	9.86	9.50
Paper and Allied Products	523.16	503.09	474.14	45.1	43.9	42.6	11.60	11.46	11.13
Printing and Publishing	385.97	381.21	386.77	37.4	37.3	38.6	10.32	10.22	10.02
Chemicals and Allied Products	551.69	551.68	543.85	42.8	42.7	43.3	12.89	12.92	12.56
Rubber and Miscellaneous Plastics Products	390.34	376.74	393.64	42.8	42.0	43.4	9.12	8.97	9.07
Miscellaneous Plastics Products	397.93	381.49	410.35	43.3	42.2	44.7	9.19	9.04	9.18
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	531.73	491.39	477.43	36.9	34.9	34.9	14.41	14.08	13.68
Communications, Electric, Gas Services	658.02	629.86	626.08	42.1	40.9	41.6	15.63	15.40	15.05
Wholesale Trade	468.87	468.07	453.77	39.5	39.6	39.7	11.87	11.82	11.43
Retail Trade[i]	191.95	193.45	185.87	27.9	28.2	27.7	6.88	6.86	6.71
General Merchandise Stores	186.40	187.62	191.43	28.2	28.6	28.7	6.61	6.56	6.67
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	324.52	321.44	317.88	....	....	....	.....	.....	.....
Depository Institutions	297.65	294.87	291.07	....	....	....	.....	.....	.....
Commercial Banks	286.87	285.53	287.31	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	345.07	342.41	321.36	31.6	31.5	31.2	10.92	10.87	10.30
Nursing and Personal Care Facilities	248.50	249.38	215.07	33.4	33.7	32.1	7.44	7.40	6.70
Hospitals	377.30	378.53	355.88	30.8	30.9	30.6	12.25	12.25	11.63

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

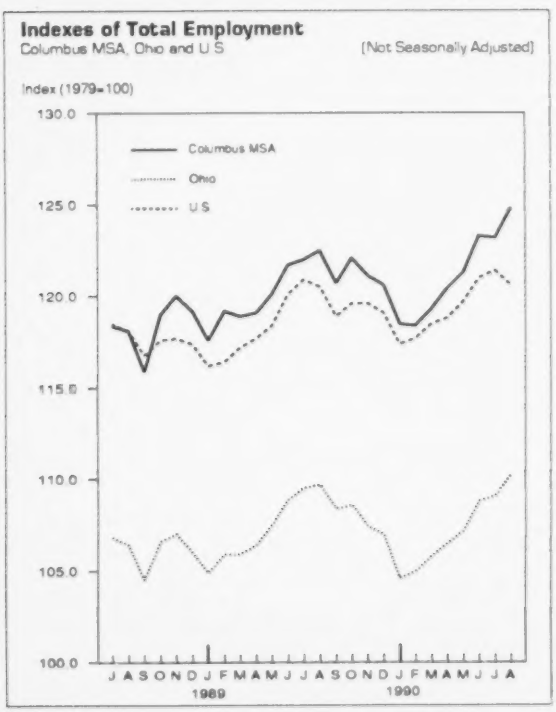
Columbus Metropolitan Statistical Area

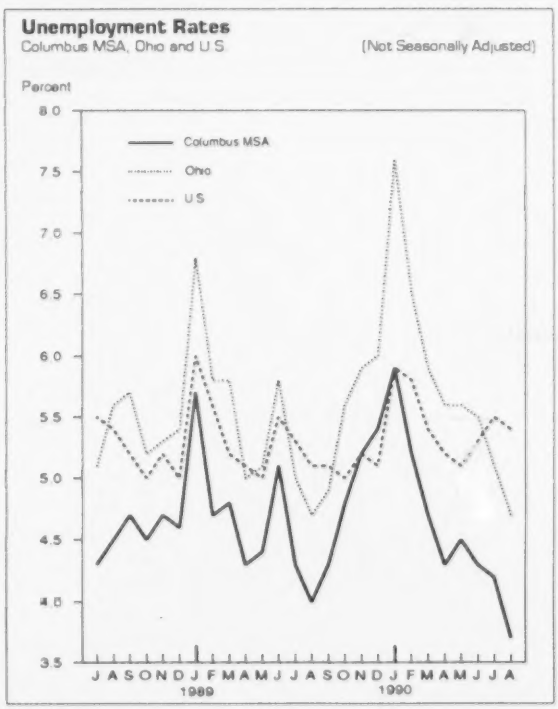


Nonagricultural payroll employment in the Columbus metropolitan area rose 4,300 above the August level to 730,700 in September 1990. The return of nonteaching personnel in local and private schools increased employment in service-producing industries 3,900. The workforce in goods-producing industries, at 139,800, added 300 jobs over the month as improvements in manufacturing outweighed modest declines in construction. More business in stone, clay, and glass products and rubber and miscellaneous plastics products more than offset a reduction in chemicals and allied products. Factory production workers averaged $12.56 per hour, up 20 cents from August. Their average workweek of 42.3 hours was 0.6 hours longer.

Nonfarm wage and salary employment advanced 24,600 between September 1989 and September 1990. Improvements in service-producing industries contributed 94.3 percent of the gain. Leading growth areas were services (+8,800) and retail trade (+8,100). Notable increases were also posted in state and local government, wholesale trade, and transportation and public utilities. Expansion in construction raised employment in goods-producing industries 1,300 above the year-ago level. The manufacturing workforce was down slightly as decreased production in electronic and other electric equipment, fabricated metal products, and instruments and related products negated gains in transportation equipment and nondurable goods.

Seasonally adjusted employment in the Columbus area dropped 2,000 from August to 728,000 in September 1990. Since September 1989, total payroll employment advanced 24,000. A major portion of the growth occurred in retail trade (+8,000), services (+8,000), and government (+4,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
742.4	711.6	30.8	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
748.2	720.8	27.4	3.7	August	726.4	105.5	70.3	515.41	41.7	12.36
INA	INA	INA	INA	September	730.7	106.0	70.8	531.29	42.3	12.56

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
730	137	30	105	August	593	31	38	153	61	181	128
728	136	30	105	September	592	32	38	152	61	181	128

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	730.7	726.4	706.2	4.3	24.6
Goods-Producing Industries[e]	139.8	139.4	138.4	.3	1.3
Construction	32.8	33.0	31.4	-.2	1.4
Manufacturing	106.0	105.5	106.1	.5	-.1
Durable Goods[f]	66.4	66.0	66.8	.4	-.5
Stone, Clay, and Glass Products	10.4	10.2	10.2	.2	.2
Glass and Glassware, Pressed or Blown	3.6	3.5	3.5	.1	.0
Fabricated Metal Products	9.7	9.5	10.0	.1	-.3
Industrial Machinery and Equipment	9.9	9.9	9.8	.1	.2
Electronic and Other Electric Equipment	9.1	9.1	9.5	.0	-.4
Transportation Equipment	14.5	14.5	13.9	.0	.6
Motor Vehicles and Equipment	13.4	13.5	13.2	.0	.2
Instruments and Related Products	4.5	4.6	4.8	-.1	-.3
Nondurable Goods[g]	39.6	39.5	39.3	.2	.3
Food and Kindred Products	11.1	11.0	10.9	.1	.2
Dairy Products	4.4	4.4	4.0	.0	.4
Printing and Publishing	11.0	11.0	10.9	.0	.2
Chemicals and Allied Products	6.8	7.0	6.9	-.2	.0
Rubber and Miscellaneous Plastics Products	6.4	6.3	6.2	.2	.2
Service-Producing Industries	591.0	587.0	567.7	3.9	23.2
Transportation and Public Utilities	32.1	31.9	31.1	.3	1.0
Transportation	19.9	19.6	18.8	.3	1.1
Trucking and Warehousing	14.3	14.1	13.1	.2	1.1
Communications, Electric, Gas Services	12.2	12.2	12.3	.0	-.1
Communications	7.6	7.6	7.7	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.3	38.4	37.2	-.1	1.1
Wholesale Trade-Durable Goods	24.6	24.6	24.1	-.1	.5
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.1
Machinery, Equipment, and Supplies	5.5	5.6	5.5	.0	.1
Wholesale Trade-Nondurable Goods	13.7	13.7	13.2	.0	.6
Retail Trade	153.1	152.7	145.0	.4	8.1
General Merchandise Stores	21.7	21.5	21.1	.2	.6
Food Stores	17.0	17.2	16.5	-.2	.4
Automotive Dealers and Service Stations	15.3	15.3	14.4	.0	.9
Finance, Insurance, and Real Estate	61.0	61.7	60.4	-.7	.6
Finance	24.0	24.2	23.7	-.2	.2
Depository Institutions	14.4	14.6	14.5	-.1	-.1
Commercial Banks	12.3	12.5	12.0	-.1	.4
Insurance	27.8	28.1	27.7	-.3	.1
Insurance Carriers	23.8	24.1	23.7	-.2	.1
Services	183.2	182.1	174.4	1.1	8.8
Business Services	39.7	39.6	36.9	.2	2.8
Personnel Supply Services	15.0	14.9	13.1	.1	1.9
Health Services	47.3	47.3	45.0	.0	2.3
Nursing and Personal Care Facilities	8.3	8.3	8.1	.0	.2
Hospitals	21.9	21.9	20.8	.0	1.1
Legal Services	4.6	4.7	4.4	-.1	.2
Educational Services	7.2	6.0	6.9	1.3	.3
Social Services	13.0	12.8	12.6	.1	.4
Engineering and Management Services	18.6	18.7	17.6	.0	1.0
Engineering and Architectural Services	4.8	4.8	4.4	.0	.4
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.1	.0	.0
Research and Testing Services	6.3	6.4	6.0	-.1	.3
Government	123.2	120.3	119.6	2.9	3.6
Federal Government	15.6	15.6	16.1	.0	-.5
State Government	52.3	53.0	50.1	-.7	2.2
State Government Education[h]	18.8	19.2	17.8	-.4	1.0
Local Government	55.3	51.6	53.4	3.6	1.9
Local Government Education	32.8	28.5	31.8	4.3	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

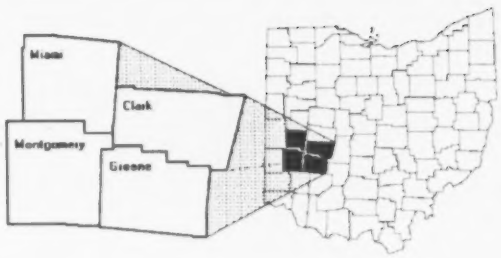
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$531.29	$515.41	$504.15	42.3	41.7	41.7	$12.56	$12.36	$12.09
Durable Goods[f]	553.41	531.30	514.58	42.9	42.0	41.7	12.90	12.65	12.34
Stone, Clay, and Glass Products	541.89	539.68	511.37	44.2	44.2	42.9	12.26	12.21	11.92
Glass and Glassware, Pressed or Blown	466.47	454.99	455.34	42.1	41.4	42.2	11.08	10.99	10.79
Fabricated Metal Products	530.54	526.95	511.52	41.0	41.2	40.5	12.94	12.79	12.63
Industrial Machinery and Equipment	545.68	496.23	486.80	44.4	41.7	41.5	12.29	11.90	11.73
Electronic and Other Electric Equipment	540.59	511.28	516.52	42.6	41.1	42.9	12.69	12.44	12.04
Transportation Equipment	668.70	622.80	600.60	45.0	43.1	42.0	14.86	14.45	14.30
Motor Vehicles and Equipment	665.43	629.86	602.28	44.6	43.2	42.0	14.92	14.58	14.34
Instruments and Related Products	418.82	426.78	405.72	39.4	40.3	39.2	10.63	10.59	10.35
Nondurable Goods[g]	490.64	484.57	481.73	41.3	41.1	41.6	11.88	11.79	11.58
Food and Kindred Products	455.61	423.50	422.28	42.7	40.8	41.4	10.67	10.38	10.20
Dairy Products	634.50	608.96	634.82	45.0	44.0	44.8	14.10	13.84	14.17
Printing and Publishing	559.60	576.22	541.15	40.0	41.1	39.5	13.99	14.02	13.70
Chemicals and Allied Products	657.28	614.96	632.49	43.1	41.3	43.5	15.25	14.89	14.54
Rubber and Miscellaneous Plastics Products	387.99	392.37	395.17	40.5	41.0	43.0	9.58	9.57	9.19
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	450.70	445.90	384.62	34.3	34.3	29.7	13.14	13.00	12.95
Communications, Electric, Gas Services	682.59	681.03	664.94	43.7	43.6	44.3	15.62	15.62	15.01
Communications	595.10	592.81	613.84	39.7	39.6	41.9	14.99	14.97	14.65
Electric, Gas, and Sanitary Services	825.29	825.79	749.13	50.2	50.2	48.3	16.44	16.45	15.51
Wholesale Trade	409.73	407.33	390.79	38.8	38.5	38.2	10.56	10.58	10.23
Retail Trade[i]	184.82	186.70	184.88	27.3	27.7	28.4	6.77	6.74	6.51
General Merchandise Stores	208.05	212.28	202.71	28.5	29.0	29.0	7.30	7.32	6.99
Food Stores	194.88	192.20	194.58	28.0	28.1	27.6	6.96	6.84	7.05
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	456.10	458.77	425.21	....	....	....	.....	.....	.....
Depository Institutions	295.09	300.26	284.73	....	....	....	.....	.....	.....
Commercial Banks	292.90	298.14	282.75	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	239.69	231.28	223.67	32.7	31.9	32.7	7.33	7.25	6.84
Hospitals	407.32	399.84	390.98	34.2	33.6	34.6	11.91	11.90	11.30
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	498.89	485.08	490.37	39.5	38.9	39.9	12.63	12.47	12.29

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

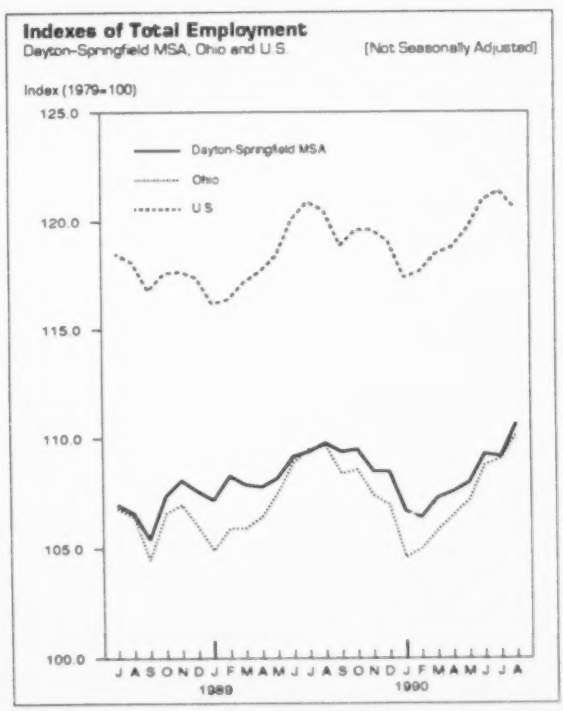
Dayton-Springfield Metropolitan Statistical Area

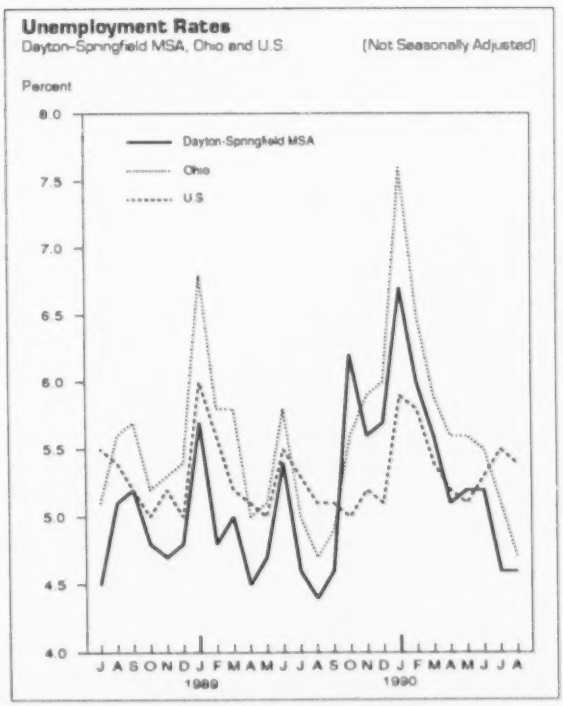


In the Dayton-Springfield metropolitan area, total nonfarm payroll employment rose 5,400 above the August level to 462,100 in September 1990. The return of nonteaching personnel in local and private schools boosted employment in the service-producing sector 5,400. Employment in goods-producing industries was unchanged over the month at 124,300. Scattered increases in nondurable-goods manufacturing and transportation equipment offset declines in industrial machinery and equipment and construction. Factory production workers averaged $13.69 per hour, up 36 cents from August. Their average workweek of 43.1 hours was 1.3 hours longer.

Nonagricultural wage and salary employment advanced 8,100 between September 1989 and September 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were services, especially business services, retail trade, local government, and transportation and public utilities. The number of jobs in goods-producing industries decreased 100 due to declines in manufacturing. Over-the-year production cutbacks in industrial machinery and equipment, electronic and other electric equipment, and rubber and miscellaneous plastics products outweighed gains in transportation equipment, paper and allied products, and printing and publishing.

Seasonally adjusted employment in the Dayton-Springfield area dropped 2,000 from August to 458,000 in September 1990 mainly due to reductions in government and wholesale trade. Since September 1989, total payroll employment advanced 8,000. Noteworthy expansion occurred in services (+4,000), retail trade (+2,000), and government (+2,000).





Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
478.5	456.5	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
484.7	462.6	22.2	4.6	August	456.7	104.7	67.4	557.19	41.8	13.33
INA	INA	INA	INA	September	462.1	104.9	67.9	590.04	43.1	13.69

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
460	122	17	104	August	338	19	22	82	18	118	80
458	122	17	104	September	336	19	21	82	18	118	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	462.1	456.7	454.0	5.4	8.1
Goods-Producing Industries[e]	124.3	124.3	124.3	.0	-.1
Construction	18.9	19.1	18.9	-.2	.0
Manufacturing	104.9	104.7	105.0	.2	-.1
Durable Goods[f]	74.6	74.7	75.4	-.1	-.9
Fabricated Metal Products	8.5	8.5	8.7	.0	-.2
Industrial Machinery and Equipment	30.3	30.6	31.8	-.3	-1.5
Metalworking Machinery	8.0	8.2	8.5	-.2	-.5
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.3
Transportation Equipment	23.2	22.8	21.8	.4	1.3
Motor Vehicles and Equipment	20.0	19.7	18.7	.4	1.3
Nondurable Goods[g]	30.3	30.0	29.6	.3	.7
Food and Kindred Products	2.7	2.5	2.8	.1	-.1
Paper and Allied Products	6.2	6.3	6.0	-.1	.3
Printing and Publishing	9.4	9.4	9.1	.0	.3
Rubber and Miscellaneous Plastics Products	7.7	7.5	7.9	.1	-.3
Service-Producing Industries	337.8	332.4	329.7	5.4	8.1
Transportation and Public Utilities	18.8	18.8	17.8	.0	1.0
Transportation	12.4	12.4	11.5	.1	.9
Trucking and Warehousing	6.9	6.8	6.4	.0	.5
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.5	21.5	21.2	.0	.3
Wholesale Trade-Durable Goods	14.9	14.9	14.9	.0	.0
Wholesale Trade-Nondurable Goods	6.6	6.6	6.3	.0	.2
Retail Trade	82.6	82.6	80.6	-.1	2.0
General Merchandise Stores	11.5	11.4	11.5	.2	.0
Finance, Insurance, and Real Estate	17.7	17.8	18.0	-.1	-.3
Finance	9.5	9.5	9.7	.0	-.2
Depository Institutions	7.3	7.2	7.5	.0	-.2
Insurance	4.4	4.4	4.3	.0	.1
Services	119.9	118.1	116.1	1.8	3.8
Business Services	24.3	24.2	22.4	.1	1.8
Personnel Supply Services	7.1	7.1	6.5	.0	.6
Computer and Data Processing Services	5.6	5.6	5.0	.0	.6
Health Services	39.9	39.9	39.0	.0	.9
Nursing and Personal Care Facilities	7.2	7.2	7.2	.0	.0
Hospitals	20.2	20.3	19.9	-.1	.3
Educational Services	8.1	5.3	8.4	2.8	-.3
Social Services	5.9	5.8	6.0	.1	-.1
Engineering and Management Services	10.2	10.3	9.8	-.1	.4
Research and Testing Services	3.4	3.5	3.3	-.1	.2
Government	77.4	73.6	76.0	3.8	1.4
Federal Government	28.2	28.7	29.2	-.5	-1.0
State Government	6.6	6.7	6.5	-.1	.1
State Government Education[h]	3.6	3.7	3.5	.0	.1
Local Government	42.6	38.2	40.3	4.4	2.3
Local Government Education	26.3	21.5	25.4	4.8	.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

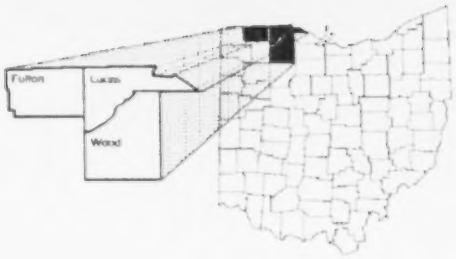
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$590.04	$557.19	$555.54	43.1	41.8	42.8	$13.69	$13.33	$12.98
Durable Goods[f]	617.48	577.30	573.26	43.7	42.2	43.2	14.13	13.68	13.27
Fabricated Metal Products	402.62	403.24	418.03	41.0	41.4	42.7	9.82	9.74	9.79
Industrial Machinery and Equipment	641.79	612.37	598.92	44.6	43.4	43.4	14.39	14.11	13.80
Metalworking Machinery	627.75	618.98	615.13	46.5	46.4	47.1	13.50	13.34	13.06
General Industrial Machinery	549.48	508.37	452.58	45.6	42.9	40.7	12.05	11.85	11.12
Electronic and Other Electric Equipment	382.32	380.46	368.06	43.2	42.7	42.6	8.85	8.91	8.64
Transportation Equipment	778.18	695.55	725.77	44.8	41.6	43.8	17.37	16.72	16.57
Motor Vehicles and Equipment	791.14	700.04	732.41	44.9	41.3	43.7	17.62	16.95	16.76
Nondurable Goods[g]	512.94	498.57	504.94	41.5	40.6	41.8	12.36	12.28	12.08
Food and Kindred Products	341.04	341.04	349.11	39.2	39.2	40.5	8.70	8.70	8.62
Paper and Allied Products	515.00	499.38	491.48	44.9	43.5	44.0	11.47	11.48	11.17
Printing and Publishing	464.92	452.78	486.30	39.4	38.6	40.9	11.80	11.73	11.89
Rubber and Miscellaneous Plastics Products	655.29	635.48	657.29	40.4	39.3	40.8	16.22	16.17	16.11
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	565.20	559.19	582.13	40.0	39.8	41.7	14.13	14.05	13.96
Communications	578.12	572.80	595.14	40.4	40.0	42.0	14.31	14.32	14.17
Wholesale Trade	395.97	393.82	399.00	39.4	39.5	40.1	10.05	9.97	9.95
Retail Trade[f]	179.84	179.32	170.33	28.5	28.6	28.2	6.31	6.27	6.04
General Merchandise Stores	189.84	186.87	176.45	28.0	28.1	27.7	6.78	6.65	6.37
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	286.12	276.95	266.30	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	421.95	419.01	394.11	34.7	34.6	34.3	12.16	12.11	11.49

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

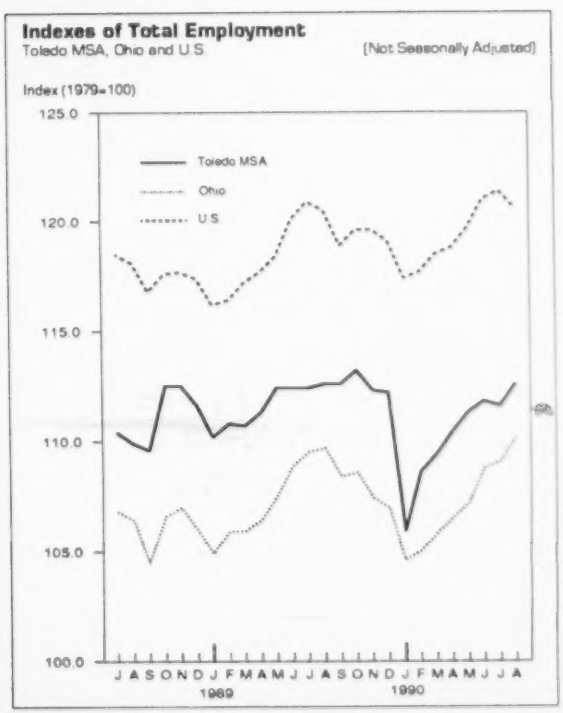
Toledo Metropolitan Statistical Area

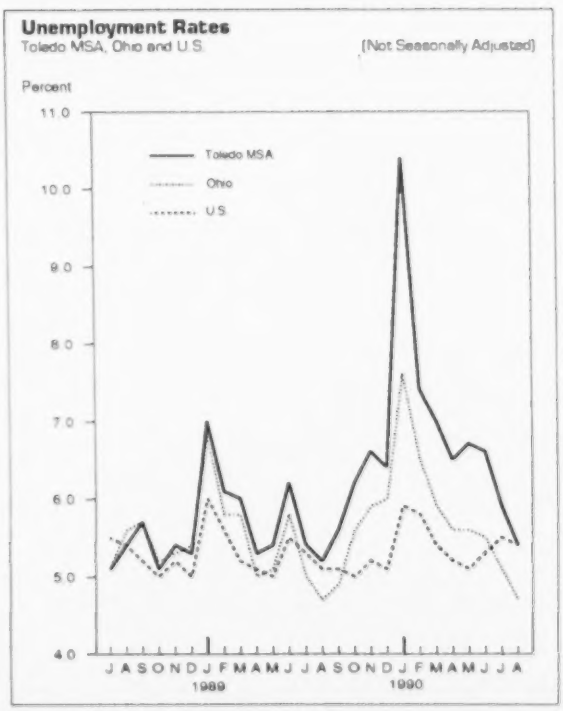


Nonagricultural payroll employment in the Toledo metropolitan area totaled 301,400 in September 1990, up 6,700 from the August level. The return of nonteaching personnel in state and local schools and colleges boosted employment in service-producing industries 6,100. The number of jobs in goods-producing industries increased 600 over the month to 74,500. Scattered gains in manufacturing, especially food and kindred products and fabricated metal products, more than offset nominal declines in construction employment. Factory production workers averaged $13.57 per hour, unchanged from August. Their average workweek of 43.8 hours was 0.7 hours longer.

Nonfarm wage and salary employment advanced 4,800 between September 1989 and September 1990. The improvement was concentrated in the service-producing sector. Primary growth industries were services (+2,300) and retail trade (+1,400). The number of jobs in goods-producing industries was unchanged from the year-ago level. Modest expansion in construction employment nearly offset scattered reductions among manufacturers of nondurable goods and production cutbacks in stone, clay, and glass products and transportation equipment.

Seasonally adjusted employment in the Toledo area, at 298,000 in September 1990, remained at the August level as gains in manufacturing and government offset a decline in retail trade. Since September 1989, total payroll employment advanced 4,000. Leading areas of expansion were services, retail trade, government, and construction.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
316.8	298.2	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46
318.0	300.8	17.2	5.4	August	294.8	60.0	43.2	584.87	43.1	13.57
INA	INA	INA	INA	September	301.4	60.8	43.9	594.37	43.8	13.57

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	43
298	72	13	60	September	226	14	16	60	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	301.4	294.8	296.6	6.7	4.8
Goods-Producing Industries[e]	74.5	73.9	74.5	.6	.0
Construction	13.5	13.6	12.9	-.1	.6
Manufacturing	60.8	60.0	61.3	.8	-.5
Durable Goods[f]	45.0	44.7	45.1	.2	-.1
Stone, Clay, and Glass Products	7.7	7.7	8.0	.0	-.3
Primary Metal Industries	3.7	3.6	3.4	.0	.2
Fabricated Metal Products	7.2	7.0	7.1	.2	.1
Metal Forgings and Stampings	2.5	2.4	2.8	.1	-.3
Industrial Machinery and Equipment	5.8	5.8	5.8	.0	.0
Transportation Equipment	13.8	13.8	14.1	.0	-.3
Nondurable Goods[g]	15.8	15.3	16.2	.5	-.4
Food and Kindred Products	4.2	3.9	4.3	.3	-.1
Rubber and Miscellaneous Plastics Products	4.2	4.1	4.3	.1	-.1
Service-Producing Industries	226.9	220.9	222.1	6.1	4.8
Transportation and Public Utilities	14.8	14.7	14.6	.1	.2
Transportation	9.8	9.7	9.6	.1	.2
Communications, Electric, Gas Services	5.0	5.0	5.0	0	.0
Wholesale Trade	16.3	16.4	16.0	-.1	.4
Wholesale Trade-Durable Goods	10.9	10.9	10.6	-.1	.3
Wholesale Trade-Nondurable Goods	5.5	5.5	5.4	.0	.1
Retail Trade	60.6	60.8	59.2	-.1	1.4
General Merchandise Stores	8.2	8.1	8.3	.1	-.1
Finance, Insurance, and Real Estate	12.1	12.2	12.1	-.1	.0
Finance	6.3	6.3	6.3	.0	.0
Insurance	3.7	3.7	3.7	.0	.0
Services	79.9	79.6	77.6	.3	2.3
Business Services	14.2	14.2	13.7	.0	.5
Personnel Supply Services	5.5	5.5	5.2	.0	.3
Health Services	27.9	28.0	27.8	.0	.2
Nursing and Personal Care Facilities	4.2	4.2	4.3	.0	-.1
Hospitals	15.1	15.2	15.1	.0	.0
Engineering and Management Services	6.7	6.6	6.1	.0	.6
Government	43.2	37.2	42.7	6.0	.4
Federal Government	2.6	2.7	2.7	.0	.0
State Government	16.1	12.6	15.7	3.4	.3
State Government Education[h]	11.7	8.2	11.5	3.5	.2
Local Government	24.5	21.9	24.3	2.6	.1
Local Government Education	14.3	11.4	14.1	2.9	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

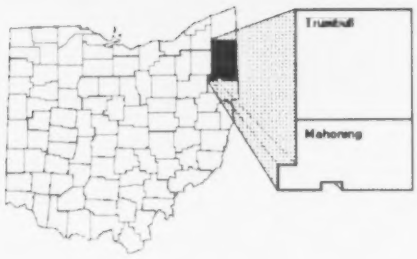
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$594.37	$584.87	$565.04	43.8	43.1	43.1	$13.57	$13.57	$13.11
Durable Goods[f]	605.75	596.67	580.26	43.8	43.3	43.4	13.83	13.78	13.37
Stone, Clay, and Glass Products	538.36	538.36	502.90	43.0	43.0	42.8	12.52	12.52	11.75
Primary Metal Industries	524.81	503.53	509.08	44.4	43.0	44.5	11.82	11.71	11.44
Fabricated Metal Products	535.86	547.93	487.82	45.8	46.2	43.4	11.70	11.86	11.24
Metal Forgings and Stampings	705.62	759.01	598.32	43.8	44.7	40.4	16.11	16.98	14.81
Industrial Machinery and Equipment	499.03	473.34	499.27	41.9	40.7	42.6	11.91	11.63	11.72
Transportation Equipment	780.08	760.19	748.75	43.8	42.9	44.2	17.81	17.72	16.94
Nondurable Goods[g]	558.92	548.69	517.33	43.7	42.6	42.3	12.79	12.88	12.23
Food and Kindred Products	648.21	664.76	538.07	46.4	45.5	41.2	13.97	14.61	13.06
Rubber and Miscellaneous Plastics Products	394.66	371.69	381.02	42.3	40.8	43.2	9.33	9.11	8.82
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	637.36	629.43	627.29	40.7	40.4	42.1	15.66	15.58	14.90
Wholesale Trade	420.09	416.80	411.69	40.2	40.0	39.7	10.45	10.42	10.37
Retail Trade[i]	165.45	166.12	166.65	26.6	27.1	27.5	6.22	6.13	6.06
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	352.32	352.93	348.43	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

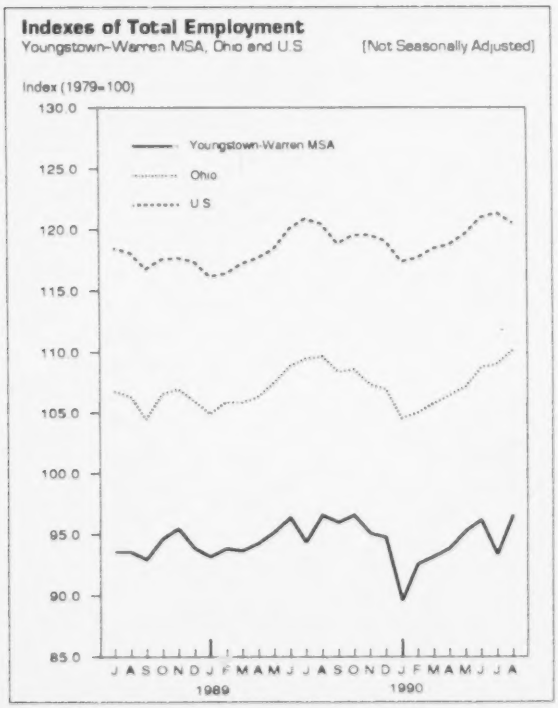
Youngstown-Warren Metropolitan Statistical Area

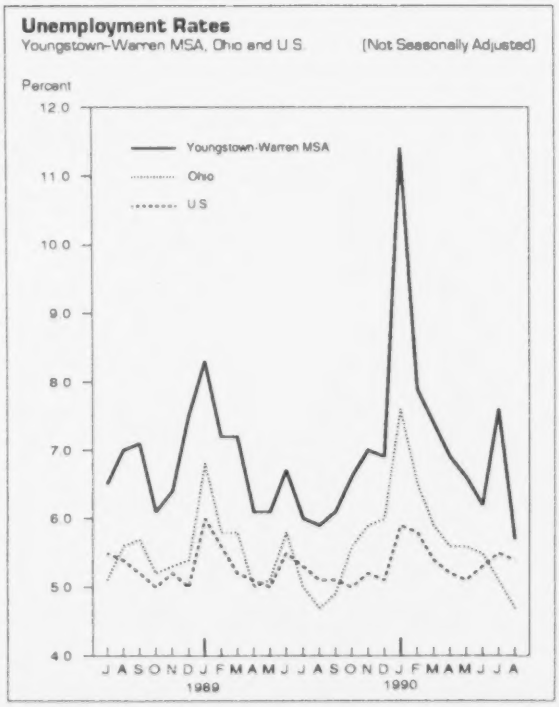


Nonfarm payroll employment in the Youngstown-Warren metropolitan area increased 2,900 from August to 204,000 in September 1990. The return of nonteaching personnel in local schools and more business in services raised employment in service-producing industries 1,900. The workforce in goods-producing industries, at 59,000, added 1,000 jobs primarily due to increased orders among manufacturers of durable goods, especially in transportation equipment and primary metal industries. Factory production workers averaged $15.23 per hour, up 71 cents from August. Their average workweek of 44.5 hours was 2.8 hours longer.

Nonagricultural wage and salary employment advanced 3,000 between September 1989 and September 1990. The number of employees in the service-producing sector rose 3,400. Leading areas of expansion were services (+1,200) and retail trade (+1,000). Noteworthy growth also occurred in wholesale trade. Over-the-year reductions in durable-goods manufacturing more than offset modest growth in construction, lowering employment in goods-producing industries 400. Declines were posted in transportation equipment, fabricated metal products, and industrial machinery and equipment.

Seasonally adjusted employment in the Youngstown-Warren area totaled 202,000 in September 1990, unchanged from August. Since September 1989, total payroll employment advanced 3,000. Growth in wholesale trade, retail trade, services, and government outweighed a slight decline in manufacturing.





Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.3	205.3	17.0	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
225.3	212.5	12.8	5.7	August	201.1	48.4	36.0	605.48	41.7	14.52
INA	INA	INA	INA	September	204.0	49.3	37.1	677.74	44.5	15.23

INA – Information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25
202	57	8	49	September	144	8	12	43	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	204.0	201.1	201.0	2.9	3.0
Goods-Producing Industries[e]	59.0	57.9	59.4	1.0	-.4
Construction	9.1	9.0	8.7	.1	.4
Manufacturing	49.3	48.4	50.2	1.0	-.9
Durable Goods[f]	44.1	43.0	45.0	1.1	-.9
Primary Metal Industries	18.7	18.1	18.7	.6	.1
Blast Furnace and Basic Steel Products	6.0	6.0	6.0	.0	.1
Fabricated Metal Products	7.4	7.4	7.5	.0	-.1
Metal Forgings and Stampings	3.9	3.9	3.9	.0	.0
Industrial Machinery and Equipment	4.2	4.3	4.3	-.1	-.1
Transportation Equipment	8.9	8.3	9.2	.7	-.2
Nondurable Goods[g]	5.2	5.4	5.2	-.1	.0
Service-Producing Industries	145.1	143.1	141.7	1.9	3.4
Transportation and Public Utilities	8.1	8.0	7.9	.1	.2
Wholesale Trade	11.8	12.0	11.0	-.2	.8
Wholesale Trade-Durable Goods	7.2	7.4	7.0	-.1	.2
Wholesale Trade-Nondurable Goods	4.6	4.6	4.0	.0	.5
Retail Trade	43.7	44.0	42.7	-.3	1.0
General Merchandise Stores	5.2	5.2	5.3	.0	-.2
Finance, Insurance, and Real Estate	8.7	8.8	8.7	-.1	.0
Finance	4.7	4.8	4.7	-.1	.0
Services	49.2	48.4	48.1	.8	1.2
Health Services	21.5	21.4	21.3	.0	.2
Nursing and Personal Care Facilities	4.9	4.9	4.8	-.1	.1
Hospitals	10.8	10.8	10.9	.0	-.1
Government	23.5	22.0	23.3	1.5	.2
State Government	3.3	3.4	3.4	-.1	.0
State Government Education[h]	1.8	1.8	1.8	.0	.0
Local Government	18.3	16.6	17.9	1.7	.4
Local Government Education	11.5	9.8	11.4	1.8	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$677.74	$605.48	$618.88	44.5	41.7	43.4	$15.23	$14.52	$14.26
Durable Goods[f]	697.77	621.98	638.89	44.7	41.8	43.7	15.61	14.88	14.62
Primary Metal Industries	735.62	685.95	698.17	44.8	42.5	43.8	16.42	16.14	15.94
Blast Furnace and Basic Steel Products	716.38	667.34	632.04	48.8	46.7	45.8	14.68	14.29	13.80
Fabricated Metal Products	687.96	589.11	622.43	45.5	41.9	45.4	15.12	14.06	13.71
Metal Forgings and Stampings	883.87	696.21	741.13	49.6	42.4	46.7	17.82	16.42	15.87
Industrial Machinery and Equipment	532.04	507.58	513.89	42.7	41.2	42.4	12.46	12.32	12.12
Transportation Equipment	826.46	678.40	697.48	47.8	42.4	44.2	17.29	16.00	15.78
Nondurable Goods[g]	465.13	440.23	417.77	42.4	40.8	40.6	10.97	10.79	10.29
Wholesale Trade	379.17	378.33	386.31	38.3	38.1	39.1	9.90	9.93	9.88
Retail Trade[f]	179.79	181.61	184.52	27.2	27.6	28.3	6.61	6.58	6.52
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	230.07	231.02	223.28	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
In the Hamilton-Middletown metropolitan area, total nonfarm wage and salary employment totaled 97,700 in September 1990, up 3,400 from August. The return of nonteaching personnel in state schools and colleges and a slight increase in retail trade raised employment in service-producing industries 3,300. Nominal growth in construction and mining increased employment in goods-producing industries 100 to 28,000. Manufacturing production workers averaged $14.21 per hour, up 18 cents from August. Their average workweek was 0.4 hours longer at 45.8 hours. Nonagricultural payroll employment advanced 1,700 between September 1989 and September 1990. Service-producing industries added 2,000 employees primarily due to growth in services, retail trade, and state government. Declines in manufacturing lowered employment in goods-producing industries 200. Scattered decreases among producers of durable goods and reductions in paper and allied products outweighed growth in construction and mining.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area totaled 75,400 in September 1990, up 100 from the August level. The return of nonteaching personnel in local schools raised employment in service-producing industries 100. Employment in goods-producing industries was unchanged over the month at 26,700. Scattered gains in manufacturing were offset by declines in construction and mining. Increased production in nondurable-goods manufacturing and transportation equipment negated a decline in industrial machinery and equipment. Factory production workers averaged $13.30 per hour, up 12 cents from August. Their average workweek was 0.8 hours longer at 42.7 hours. Nonfarm wage and salary employment advanced 2,000 between September 1989 and September 1990. The growth was concentrated in the service-producing sector. Leading growth industries were services, especially health services, and retail trade. Gains were also posted in local government and transportation and public utilities. Employment in goods-producing industries decreased 400 over the year. Reduced production among manufacturers of durable goods, particularly transportation equipment, outweighed gains in construction and mining.

Lorain–Elyria PMSA
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area fell 2,100 from the August level to 91,600 in September 1990. Reduced production in transportation equipment due to fewer orders lowered employment in goods-producing industries 3,000 to 30,300. The return of nonteaching personnel in local schools raised employment in the service-producing sector 900. Manufacturing production workers averaged $12.98 per hour, down 53 cents from August. Their average workweek of 42.7 hours was 0.2 hours shorter. Nonagricultural payroll employment advanced 1,500 between September 1989 and September 1990. Growth was concentrated in service-producing industries. Gains were posted in retail trade, local government, transportation and public utilities, and services, especially health services. Employment in goods-producing industries declined 600 over the year. Reductions in durable-goods manufacturing, primarily transportation equipment and fabricated metal products, outweighed increases in nondurable goods and construction and mining.

Mansfield MSA
Nonagricultural payroll employment in the Mansfield metropolitan area totaled 59,900 in September 1990, up 100 from August. Improvements in services raised employment in service-producing industries 300. Scattered declines in durable-goods manufacturing and less business in construction and mining lowered employment in the goods-producing sector 300 to 20,200. A reduction in electronic and other electric equipment negated a gain in fabricated metal products. Manufacturing production workers averaged $14.00 per hour, up 52 cents from August. Their average workweek was 1.2 hours longer at 42.6 hours. Nonfarm wage and salary employment dropped 1,100 between September 1989 and September 1990. Employment in the goods-producing sector fell 1,300. Over-the-year production cutbacks in durable-goods manufacturing, especially electronic and other electric equipment and fabricated metal products, negated modest gains in construction and mining. Expansion in retail trade outweighed decreases in local government to raise employment in service-producing industries 200.

Steubenville–Weirton MSA
In the Steubenville-Weirton metropolitan area, total nonfarm payroll employment rose 400 above the August level to 53,600 in September 1990. Seasonal gains in services and local schools increased employment in service-producing industries 300. Employment in the goods-producing sector was unchanged at 20,700. Scattered declines among manufacturers of durable goods outweighed slight growth in construction. Factory production workers averaged $11.72 per hour, up 7 cents from August. Their average workweek of 44.3 hours was 0.2 hours longer. Nonagricultural wage and salary employment advanced 1,700 between September 1989 and September 1990. The service-producing sector contributed 94.1 percent of the increase. Notable gains were posted in services, local government, and retail trade. Goods-producing industries added 100 jobs over the year. Expansion in construction outweighed reductions in manufacturing, particularly primary metal industries.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	131.3	130.1	131.7	1.1	-.5
Employment	124.8	123.3	125.3	1.5	-.5
Unemployment	6.4	6.8	6.4	-.4	.1
Unemployment Rate	4.9	5.2	4.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	97.7	94.3	96.0	3.4	1.7
Goods–Producing Industries	28.0	27.9	28.2	.1	-.2
Construction and Mining	6.5	6.4	5.7	.1	.8
Manufacturing	21.4	21.4	22.5	.0	-1.1
Durable Goods	14.8	14.8	15.6	.0	-.8
Primary Metal Industries	6.9	6.8	7.0	.1	-.1
Fabricated Metal Products	2.4	2.5	2.5	-.1	-.1
Industrial Machinery and Equipment	2.4	2.4	2.4	.0	.0
Nondurable Goods	6.6	6.6	6.9	.0	-.3
Paper and Allied Products	4.7	4.7	5.0	.0	-.3
Paper Mills	3.4	3.4	3.7	.0	-.3
Service–Producing Industries	69.8	66.5	67.8	3.3	2.0
Transportation and Public Utilities	3.6	3.5	3.4	.0	.1
Wholesale Trade	5.7	5.8	5.6	.0	.1
Wholesale Trade–Durable Goods	3.9	3.9	3.8	.0	.1
Retail Trade	18.2	18.1	17.6	.2	.6
Food Stores	3.0	3.0	3.1	.0	-.1
Finance, Insurance, and Real Estate	4.6	4.6	4.8	-.1	-.2
Services	20.1	20.1	19.3	.0	.8
Health Services	8.6	8.6	8.1	.0	.5
Government	17.5	14.4	17.1	3.2	.5
State Government (Includes Education)	7.1	4.0	6.7	3.1	.4
Local Government	9.8	9.7	9.8	.0	.0
Local Government Education	6.3	6.2	6.2	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$650.82	$636.96	$599.83	45.8	45.4	45.1	$14.21	$14.03	$13.30
Durable Goods	678.76	657.10	599.87	46.3	45.6	44.6	14.66	14.41	13.45
Primary Metal Industries	779.40	775.66	666.13	48.5	48.6	45.1	16.07	15.96	14.77
Fabricated Metal Products	553.82	487.58	496.78	43.2	39.9	42.1	12.82	12.22	11.80
Industrial Machinery and Equipment	624.78	604.97	629.53	46.8	46.5	48.5	13.35	13.01	12.98
Nondurable Goods	582.44	583.34	599.12	44.7	44.7	46.3	13.03	13.05	12.94
Paper and Allied Products	619.78	607.26	633.24	46.6	45.9	47.9	13.30	13.23	13.22
Paper Mills	602.11	598.53	655.72	44.9	44.7	48.5	13.41	13.39	13.52
Wholesale Trade	453.48	439.32	434.70	42.5	42.0	42.0	10.67	10.46	10.35
Retail Trade[f]	179.27	177.56	164.12	28.5	28.5	28.2	6.29	6.23	5.82

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	80.5	80.5	80.1	.1	.4
Employment	76.3	75.9	75.9	.3	.4
Unemployment	4.3	4.5	4.2	-.3	.1
Unemployment Rate	5.3	5.7	5.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	75.4	75.3	73.4	.1	2.0
Goods-Producing Industries	26.7	26.8	27.2	.0	-.4
Construction and Mining	3.8	3.9	3.5	-.1	.3
Manufacturing	23.0	22.9	23.7	.1	-.7
Durable Goods	16.5	16.5	17.4	.0	-.9
Fabricated Metal Products	2.9	2.8	2.8	.0	.0
Industrial Machinery and Equipment	3.9	4.1	4.0	-.2	-.1
Transportation Equipment	7.1	6.9	7.7	.2	-.6
Motor Vehicles and Equipment	3.4	3.3	3.7	.2	-.2
Nondurable Goods	6.5	6.4	6.3	.2	.2
Food and Kindred Products	2.0	2.0	1.9	.0	.1
Rubber and Miscellaneous Plastics Products	2.2	2.1	2.1	.1	.1
Service-Producing Industries	48.7	48.6	46.3	.1	2.4
Transportation and Public Utilities	3.3	3.4	3.1	.0	.2
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	15.1	15.1	14.2	.0	.9
General Merchandise Stores	2.2	2.2	2.0	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.2	15.2	14.2	.0	1.0
Health Services	6.7	6.7	6.1	.0	.6
Hospitals	3.2	3.2	2.9	.0	.3
Government	9.5	9.2	9.2	.2	.3
Local Government	7.1	6.8	6.9	.3	.3
Local Government Education	4.3	3.8	4.1	.5	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$567.91	$552.24	$560.68	42.7	41.9	42.8	$13.30	$13.18	$13.10
Durable Goods	559.15	547.46	554.20	42.2	41.6	42.5	13.25	13.16	13.04
Fabricated Metal Products	390.82	373.50	376.47	42.9	41.5	42.3	9.11	9.00	8.90
Industrial Machinery and Equipment	466.09	441.16	471.47	40.6	38.8	40.4	11.48	11.37	11.67
Transportation Equipment	714.45	716.68	682.11	43.3	43.7	42.9	16.50	16.40	15.90
Motor Vehicles and Equipment	815.24	822.96	752.28	45.8	46.6	44.2	17.80	17.66	17.02
Nondurable Goods	589.58	565.35	579.44	43.9	42.7	43.6	13.43	13.24	13.29
Food and Kindred Products	413.91	375.65	360.12	43.8	41.1	40.6	9.45	9.14	8.87
Rubber and Miscellaneous Plastics Products	668.82	648.10	594.17	47.2	47.1	45.6	14.17	13.76	13.03
Wholesale Trade	367.25	368.17	381.61	37.9	37.8	38.9	9.69	9.74	9.81
Retail Trade[f]	186.92	186.60	184.50	30.1	30.0	30.0	6.21	6.22	6.15
General Merchandise Stores	178.92	176.68	161.67	28.4	28.0	26.9	6.30	6.31	6.01

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	122.3	118.9	120.5	3.4	1.8
Employment	111.5	111.9	113.8	-.4	-2.2
Unemployment	10.8	7.0	6.7	3.8	4.1
Unemployment Rate	8.8	5.9	5.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	91.6	93.8	90.1	-2.1	1.5
Goods–Producing Industries	30.3	33.3	30.9	-3.0	-.6
Construction and Mining	4.7	4.8	4.5	-.1	.2
Manufacturing	25.6	28.6	26.5	-3.0	-.9
Durable Goods	20.7	23.8	21.8	-3.1	-1.1
Primary Metal Industries	4.3	4.3	4.4	.0	-.1
Fabricated Metal Products	4.1	4.2	4.3	-.1	-.2
Transportation Equipment	5.0	8.0	5.5	-2.9	-.4
Nondurable Goods	4.9	4.8	4.7	.1	.2
Service–Producing Industries	61.3	60.4	59.2	.9	2.2
Transportation and Public Utilities	3.6	3.6	3.3	.0	.3
Wholesale Trade	2.4	2.5	2.4	-.1	.0
Retail Trade	17.7	17.7	16.8	.0	.9
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	21.0	21.0	20.7	.0	.3
Health Services	8.8	8.8	8.4	.0	.4
Hospitals	4.2	4.3	4.0	-.1	.2
Government	13.3	12.4	12.7	.9	.6
Local Government	11.2	10.2	10.7	1.0	.5
Local Government Education	7.3	6.2	6.9	1.1	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[e]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[e]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[e]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$554.25	$579.58	$534.25	42.7	42.9	42.2	$12.98	$13.51	$12.66
Durable Goods	588.94	612.05	557.60	43.4	43.5	42.5	13.57	14.07	13.12
Primary Metal Industries	643.23	640.01	599.06	44.7	44.6	43.6	14.39	14.35	13.74
Fabricated Metal Products	429.14	422.44	457.24	43.0	42.8	46.0	9.98	9.87	9.94
Transportation Equipment	712.32	733.85	658.13	42.4	43.5	40.5	16.80	16.87	16.25
Nondurable Goods	394.61	394.79	407.41	39.5	39.4	40.7	9.99	10.02	10.01
Wholesale Trade	365.19	365.74[r]	366.52	38.2	37.9	38.5	9.56	9.65	9.52
Retail Trade[f]	163.06	169.73	164.21	26.3	27.2	26.4	6.20	6.24	6.22

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Money payments only; tips not included. [f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	65.7	65.0	66.8	.8	-1.1
Employment	61.2	61.0	62.4	.2	-1.1
Unemployment	4.5	4.0	4.5	.5	.0
Unemployment Rate	6.8	6.1	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	59.9	59.8	61.0	.1	-1.1
Goods-Producing Industries	20.2	20.4	21.5	-.3	-1.3
Construction and Mining	2.4	2.5	2.2	-.1	.2
Manufacturing	17.8	17.9	19.3	-.2	-1.5
Durable Goods	15.7	15.9	17.2	-.2	-1.6
Fabricated Metal Products	5.4	5.1	5.6	.3	-.2
Electronic and Other Electric Equipment	2.9	3.0	3.6	-.2	-.7
Nondurable Goods	2.1	2.1	2.0	.0	.1
Service-Producing Industries	39.7	39.4	39.5	.3	.2
Transportation and Public Utilities	3.0	3.0	3.1	.0	-.1
Wholesale Trade	2.2	2.2	2.2	.0	-.1
Retail Trade	12.5	12.5	11.8	.0	.7
Finance, Insurance, and Real Estate	2.4	2.4	2.5	-.1	-.1
Services	12.8	12.5	12.7	.3	.1
Health Services	4.4	4.5	4.4	.0	.0
Government	6.9	6.8	7.2	.1	-.3
Local Government	5.2	5.1	5.5	.1	-.3
Local Government Education	3.7	3.4	3.7	.2	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$596.40	$558.07	$573.52	42.6	41.4	42.8	$14.00	$13.48	$13.40
Durable Goods	619.65	575.23	602.43	42.5	41.0	43.0	14.58	14.03	14.01
Fabricated Metal Products	757.66	697.59	868.22	43.0	40.3	47.6	17.62	17.31	18.24
Electronic and Other Electric Equipment	451.88	452.64	431.75	40.6	41.0	40.2	11.13	11.04	10.74
Nondurable Goods	403.79	410.32	326.19	43.7	44.6	41.5	9.24	9.20	7.86
Wholesale Trade	325.84	340.94	331.20	39.4	40.3	40.0	8.27	8.46	8.28
Retail Trade[i]	170.27	168.75	156.83	27.2	27.0	26.9	6.26	6.25	5.83

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.6	57.5	56.9	.1	.8
Employment	54.3	54.3	53.6	.0	.7
Unemployment	3.3	3.2	3.2	.1	.1
Unemployment Rate	5.7	5.6	5.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Total	53.6	53.2	51.9	.4	1.7
Goods–Producing Industries	20.7	20.7	20.6	.0	.1
Mining	1.0	1.0	1.0	.0	.0
Construction	2.2	2.1	1.8	.1	.4
Manufacturing	17.5	17.6	17.8	-.1	-.3
Durable Goods	15.9	15.9	16.2	-.1	-.4
Primary Metal Industries	12.7	12.7	13.0	.0	-.3
Nondurable Goods	1.6	1.6	1.6	.0	.1
Service–Producing Industries	32.9	32.6	31.3	.3	1.6
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	1.3	1.4	1.3	.0	.0
Retail Trade	9.6	9.6	9.2	.0	.4
General Merchandise Stores	1.8	1.8	1.7	.0	.1
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.9	10.6	10.3	.3	.6
Health Services	4.8	4.7	4.6	.1	.2
Hospitals	2.5	2.5	2.4	.1	.1
Government	6.0	5.9	5.6	.1	.5
Local Government	5.1	5.0	4.7	.1	.4
Local Government Education	3.1	2.9	2.9	.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]
Manufacturing	$519.20	$513.77	$532.17	44.3	44.1	44.2	$11.72	$11.65	$12.04
Durable Goods	546.47	540.00	562.70	45.2	45.0	45.6	12.09	12.00	12.34
Primary Metal Industries	581.53	573.16	593.81	46.3	46.0	46.5	12.56	12.46	12.77
Nondurable Goods	215.06	211.25	161.07	34.3	33.8	26.8	6.27	6.25	6.01
Wholesale Trade	327.93	334.31	327.93	38.9	39.1	38.9	8.43	8.55	8.43
Retail Trade[i]	165.77	167.96	160.13	27.4	27.9	27.8	6.05	6.02	5.76

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	September 1990	August 1990	September 1989
New Applicants	27,833	35,485	32,204
Applicants Active This Program Year	303,606	269,921	364,764
Counseling Interviews	580	822	740
Tests Administered	1,183	2,364	1,314
General Aptitude Tests	188	323	122
Proficiency Tests	282	352	315
Specific Aptitude Tests	0	0	133
Referrals to Jobs	21,396	25,126	25,216
Placements	5,092	6,645	5,770
Job Openings Received	INA	INA	11,497
Job Openings Unfilled	21,630	20,772	22,687

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	September 1990	August 1990	September 1989
Initial Claims	47,849	53,806	44,673
Continued Claims	285,072	357,902	267,086
First Payments	16,604	20,544	17,999
Last Payments	5,436	6,732	4,555
Average Weekly Claimants	71,645	80,780	65,735
Average Weekly Benefit Recipients	61,382	68,993	53,978
Weeks Compensated	243,630	330,942	226,751
Benefits Paid	$39,479,652	$55,074,257	$34,922,857
Average Weekly Payment	$166.02	$170.08	$161.09
Continued Claims for Survey Week	70,228	77,517	65,334
Insured Unemployment Rate	1.6	1.8	1.5
Net Contributions	$5,371,690	$138,938,763	$4,421,902
Active Employer Accounts	207,760	207,219	204,610

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Ohio Labor Market Information

Labor Market Review

October 1990

Summary. The seasonally adjusted unemployment rate in Ohio jumped from 5.2 percent in September to 5.9 percent in October 1990. The U.S. rate of 5.7 percent was unchanged from September. Total employment in Ohio fell 21,000 over the month to 5,145,000 in October. There were 325,000 jobless Ohioans in October, up 41,000 from September. Advances in services helped to raise nonagricultural wage and salary employment (seasonally adjusted) 9,000 from September to 4,945,000 in October. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was up 1,000 from September to 1,336,000 in October. Gains in transportation equipment and food and kindred products were partially offset by losses among general building contractors, special trades contractors, and primary metal industries. Durable-goods employment rose 2,000 to 744,000, while nondurable-goods employment increased 1,000 to 376,000. Employment in construction, at 197,000, declined 2,000. Mining employment was unchanged at 18,000.

Service-Producing Industries. There were 3,609,000 people employed in service-producing industries in October, up 8,000 from September. An increase of 5,000 in amusements, including motion pictures, helped advance employment in services 6,000. Government employment was up 2,000 over the month. Transportation and public utilities, wholesale trade, retail trade, and finance, insurance, and real estate had little employment change from September.

Over the Year. Ohio's unemployment rate decreased from 6.0 percent in October 1989 to 5.9 percent in October 1990. The national rate rose from 5.3 percent to 5.7 percent over the year. Total employment in Ohio was up 10,000 from October 1989, while total unemployment was 2,000 lower. Since October 1989, nonfarm payroll employment increased 111,000. Services added 49,000 jobs, retail trade went up 25,000, and government was 14,000 higher. Manufacturing employment advanced 9,000 over the year. Noteworthy gains occurred in printing and publishing and in chemicals and allied products. Temporary shutdowns greatly reduced employment in transportation equipment in October 1989. A notable decline occurred in electronic and other electric equipment. Smaller increases were noted in wholesale trade, construction, transportation and public utilities, and finance, insurance, and real estate.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $549.98 per week in October, down $6.87 from September. Their average workweek of 42.7 hours was 0.5 hours shorter. Most industries had decreased earnings due to less overtime. The most significant were motor vehicles and equipment, nonferrous rolling and drawing, iron and steel foundries, and metal forgings and stampings.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Benefits and Costs. There were 71,006 initial claims filed under the Ohio Unemployment Compensation Law in October, up 48.4 percent from September, and up 24.2 percent from October 1989. Total benefits paid rose 17.1 percent to $46.2 million. The average weekly benefit check of $171.02 was $5.00 higher than in September. The average weekly number of benefit recipients, at 61,326, declined 0.1 percent. At the end of October, there were 207,158 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 33,061 new job applicants in October, up 17.9 percent from September, but down 11.6 percent from October 1989. The Employment Services Division made 23,541 job referrals in October, up 10.0 percent from September. Total placements rose 2.3 percent over the month to 5,207.

The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1990 through September 30, 1991.

See pages 52 and 53 for listings of cities and counties.

In This Issue

Summary 1
Seasonally Adjusted Series
Current Data 3
Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
Historical Data 7
Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Minor Metropolitan Areas 46
Hamilton–Middletown PMSA Data 47
Lima MSA Data 48
Lorain–Elyria PMSA Data 49
Mansfield MSA Data 50
Steubenville–Weirton MSA Data 51

Labor Surplus Areas 52
Technical Notes 54
Employment Service Activities and Unemployment Insurance Activities 55

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Oct. 1990	Sep. 1990	Oct. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,470	5,450	5,462	20	8	.4	.1
Employment	5,145	5,166	5,135	-21	10	-.4	.2
Unemployment	325	284	327	41	-2	14.4	-.6
Unemployment Rate	5.9	5.2	6.0				
Employer Survey Data[e]							
Total	4,945	4,936	4,834	9	111	.2	2.3
Goods-Producing Industries	1,336	1,335	1,324	1	11	.1	.9
Mining	18	18	18	0	0	-1.0	-2.2
Coal Mining	7	7	8	0	0	-.7	-4.2
Oil and Gas Extraction	6	6	6	0	0	-2.5	-2.5
Construction	197	199	194	-2	3	-1.1	1.6
General Building Contractors	46	47	46	-1	0	-1.6	-.1
Heavy Construction, Except Building	23	23	23	0	0	-1.4	-2.2
Special Trade Contractors	129	130	125	-1	4	-.8	2.8
Manufacturing	1,121	1,117	1,112	3	9	.3	.8
Durable Goods	744	742	741	2	4	.3	.5
Lumber and Wood Products	23	23	22	0	1	.3	4.6
Furniture and Fixtures	15	15	15	0	0	1.8	1.2
Stone, Clay, and Glass Products	45	45	45	0	0	.5	.4
Primary Metal Industries	101	102	100	-1	1	-.8	.8
Fabricated Metal Products	135	135	135	0	0	-.1	.1
Industrial Machinery and Equipment	165	165	164	0	1	.0	.4
Electronic and Other Electric Equipment	77	76	79	0	-3	.4	-3.5
Transportation Equipment	143	140	137	2	6	1.7	4.1
Instruments and Related Products	25	25	27	-0	-1	-.8	-5.3
Nondurable Goods	376	375	371	1	5	.4	1.3
Food and Kindred Products	65	64	64	1	1	2.0	2.2
Apparel and Other Textile Products	15	15	15	0	0	1.6	2.3
Paper and Allied Products	38	38	38	0	0	.2	.6
Printing and Publishing	76	76	74	0	2	-.5	2.2
Chemicals and Allied Products	67	67	66	0	2	.5	2.8
Rubber and Misc. Plastics Products	96	97	97	0	0	-.3	-.5
Service-Producing Industries	3,609	3,602	3,509	8	100	.2	2.8
Transportation and Public Utilities	219	220	217	0	3	-.1	1.2
Transportation	130	130	126	0	4	-.3	3.1
Communications, Electric, Gas Services	89	89	91	0	-1	.3	-1.3

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Oct. 1990	Sep. 1990	Oct. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	273	274	267	0	7	-.1	2.5
Wholesale Trade-Durable Goods	173	173	169	0	4	-.1	2.4
Wholesale Trade-Nondurable Goods	101	101	98	0	3	.0	2.7
Retail Trade	938	938	913	0	25	.0	2.7
Building Materials and Garden Supplies	36	36	35	0	1	.0	3.7
General Merchandise Stores	127	128	126	-1	0	-1.2	.3
Food Stores	143	143	141	0	2	.3	1.5
Automotive Dealers and Service Stations	102	103	100	-1	2	-.6	1.7
Apparel and Accessory Stores	53	53	49	0	4	-.3	7.7
Furniture and Homefurnishings Stores	34	34	32	0	2	-.4	5.8
Eating and Drinking Places	318	316	312	2	6	.6	2.0
Miscellaneous Retail	124	124	117	0	8	.1	6.6
Finance, Insurance, and Real Estate	257	257	254	0	3	.1	1.3
Finance	121	121	120	0	1	.2	.9
Depository Institutions	91	91	91	0	0	.2	.1
Insurance	92	92	92	0	1	-.1	.9
Real Estate	44	44	43	0	1	.2	3.1
Services	1,197	1,191	1,148	6	49	.5	4.2
Hotels and Other Lodging Places	39	39	38	0	1	1.0	2.5
Personal Services	55	55	54	0	1	-.1	1.7
Business Services	220	220	207	0	13	-.2	6.4
Amusements, Including Motion Pictures	61	56	54	5	7	8.5	13.5
Health Services	401	400	388	1	13	.4	3.4
Legal Services	30	30	29	0	2	-.3	5.3
Educational Services	61	61	60	0	1	.3	1.7
Social Services	77	76	74	0	3	.2	4.2
Membership Organizations	81	81	79	0	1	-.6	1.8
Engineering and Management Services	89	89	86	1	3	.8	4.0
Government	724	723	711	2	14	.2	1.9
Federal Government	94	94	98	0	-3	-.1	-3.3
State Government	164	164	159	0	5	-.1	3.0
State Government Education	86	86	83	0	3	-.3	3.4
Local Government	466	464	454	2	12	.4	2.7
Local Government Education	272	271	266	1	7	.5	2.5

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July
5,446	5,174	272	5.0	5.6	August
5,450	5,166	284	5.2	5.7	September
5,470	5,145	325	5.9	5.7	October

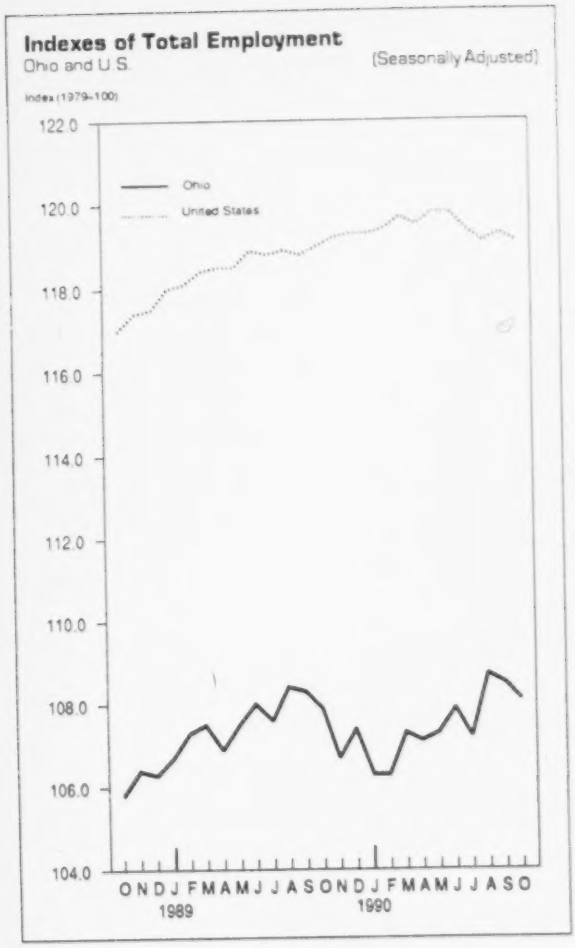
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

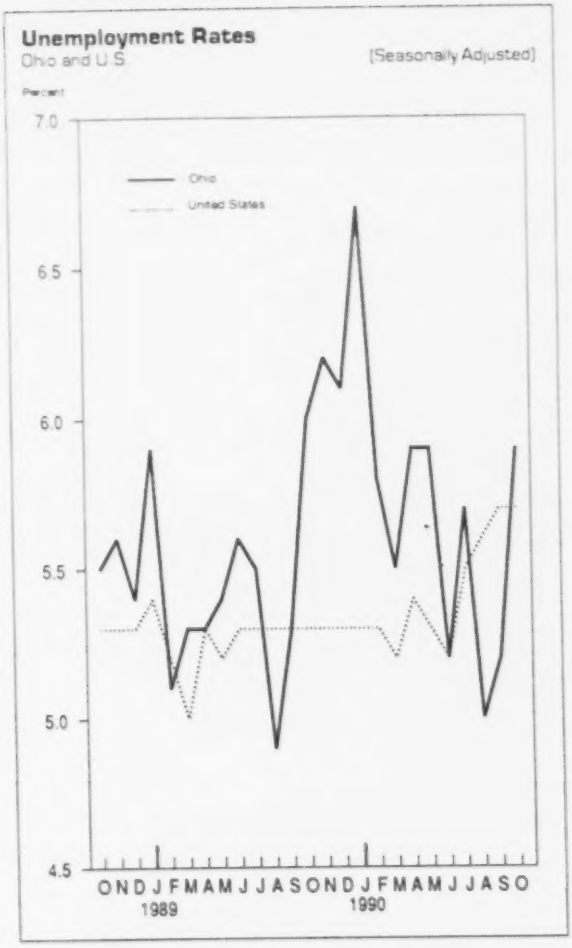
Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,928	1,341	18	199	1,124	June
4,928	1,334	18	198	1,118	July
4,938	1,338	18	200	1,120	August
4,936	1,335	18	199	1,117	September
4,945	1,336	18	197	1,121	October

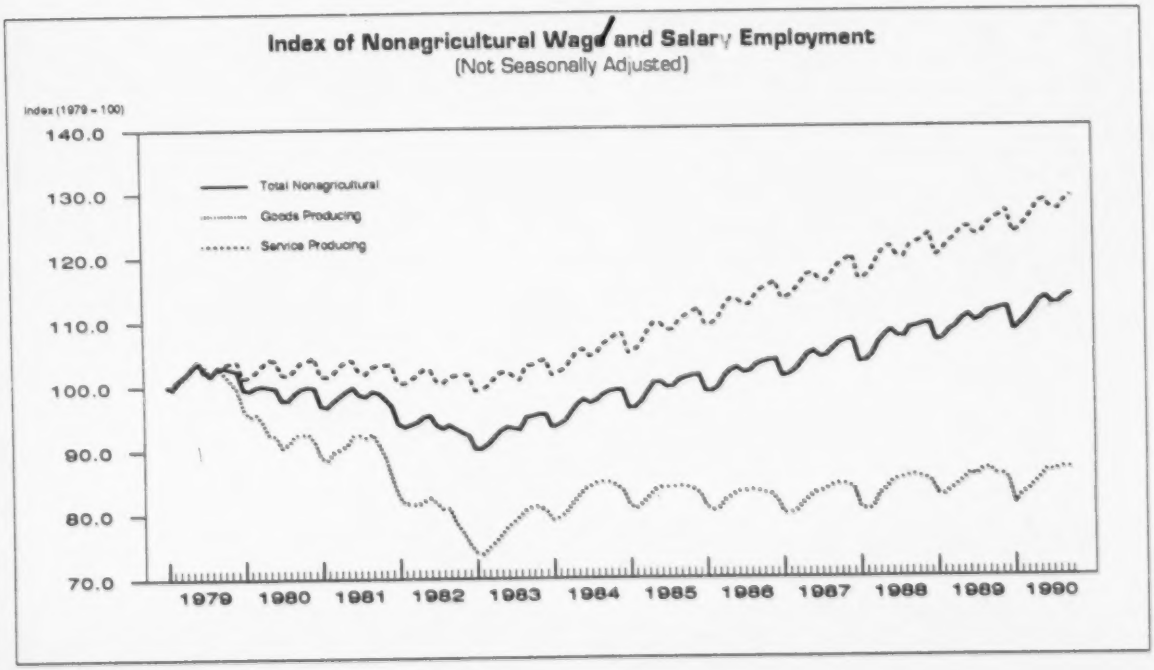
Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,594	218	July	273	937	257	July	1,182	726
3,601	218	August	274	939	257	August	1,189	724
3,602	220	September	274	938	257	September	1,191	723
3,609	219	October	273	938	257	October	1,197	724

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
122.0
120.0
118.0
116.0
114.0
112.0
110.0
108.0
106.0
104.0
Ohio
United States
O N D J F M A M J J A S O N D J F M A M J J A S O
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
O N D J F M A M J J A S O N D J F M A M J J A S O
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,977.7	1,357.5	18.4	209.5	1,129.7	June
4,934.0	1,353.1	18.5	216.6	1,118.1	July
4,938.2	1,361.9	18.4	219.9	1,123.6	August
4,979.9	1,363.2	18.3	218.5	1,126.4	September
4,997.5	1,358.6	18.1	215.3	1,125.2	October

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,576.4	221.1	August	274.6	948.3	260.4	August	1,202.5	669.5
3,616.7	222.3	September	273.7	945.6	258.3	September	1,208.9	707.9
3,639.0	222.1	October	274.5	944.8	257.4	October	1,204.6	735.6

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.7	754.2	375.5	June	772.7	423.3	33.2
1,118.1	743.4	374.6	July	759.6	404.2	32.1
1,123.6	746.6	377.0	August	765.3	410.8	32.4
1,126.4	746.3	380.1	September	768.5	427.9	33.2
1,125.2	746.0	379.2	October	768.0	422.4	32.8

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours			Production Worker Average Hourly Earnings			
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$ 7.84	$ 8.06	$ 7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.90	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.08	11.74
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84
549.98	574.48	496.36	October	42.7	43.0	42.1	October	12.88	13.36	11.79

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.4	100.6	135.2	August	165.6	77.0	141.5	August	64.7	76.5	96.9
46.2	102.0	135.9	September	165.1	76.8	140.0	September	67.4	76.5	97.3
46.0	101.0	135.3	October	164.8	76.6	142.0	October	66.4	76.5	97.2

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
496.60	671.99	539.33	October	565.02	472.73	745.92	October	474.33	480.00	460.74

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	4997.5	4979.9	4885.7	17.6	111.9
Goods-Producing Industries	1358.6	1363.2	1347.1	-4.6	11.4
Mining	18.1	18.3	18.6	-.2	-.4
Coal Mining	7.4	7.5	7.7	-.1	-.3
Oil and Gas Extraction	5.6	5.7	5.8	-.1	-.1
Construction	215.3	218.5	212.3	-3.3	3.0
General Building Contractors	49.0	50.2	49.2	-1.2	-.2
Nonresidential Building Construction	24.4	25.0	25.1	-.5	-.6
Heavy Construction, Except Building	27.3	27.7	27.9	-.4	-.6
Highway and Street Construction	9.6	10.0	10.4	-.4	-.8
Special Trade Contractors	138.9	140.6	135.2	-1.7	3.8
Manufacturing	1125.2	1126.4	1116.3	-1.2	8.9
Durable Goods[f]	746.0	746.3	742.1	-.3	3.9
Lumber and Wood Products	23.9	23.8	23.0	.1	.9
Millwork, Plywood and Structural Members	10.6	10.5	10.4	.0	.1
Furniture and Fixtures	15.6	15.4	15.4	.2	.2
Stone, Clay, and Glass Products	46.0	46.2	45.9	-.2	.1
Primary Metal Industries	101.0	102.0	100.3	-1.0	.7
Blast Furnace and Basic Steel Products	46.9	47.1	44.6[j]	-.2	2.3
Iron and Steel Foundries	19.8	20.1	20.5	-.2	-.7
Nonferrous Rolling and Drawing	16.2	16.7	17.1	-.4	-.9
Nonferrous Foundries	10.6	10.8	10.6	-.1	.0
Fabricated Metal Products	135.3	135.9	135.3	-.6	.0
Fabricated Structural Metal Products	30.7	30.7	30.5	.0	.2
Metal Forgings and Stampings	38.9	39.2	39.1	-.2	-.2
Industrial Machinery and Equipment	164.8	165.1	163.6	-.4	1.2
Construction and Related Machinery	13.8	14.0	14.1	-.1	-.3
Metalworking Machinery	47.1	47.1	47.5	.1	-.4
Special Industry Machinery	16.9	16.9	17.4	-.1	-.6
General Industrial Machinery	26.1	26.1	23.3[j]	.0	2.8
Computer and Office Equipment	10.9	11.1	11.2	-.3	-.4
Refrigeration and Service Machinery	14.8	14.9	16.0	-.1	-1.2
Electronic and Other Electric Equipment	76.6	76.8	79.4	-.2	-2.8
Electrical Industrial Apparatus	12.3	12.1	12.6	.2	-.3
Household Appliances	15.0	15.1	15.2	.0	-.2
Electric Lighting and Wiring Equipment	16.1	16.3	16.5	-.2	-.4
Electronic Components and Accessories	11.2	11.3	11.6	-.1	-.4
Transportation Equipment	142.0	140.0	136.4	2.1	5.7
Motor Vehicles and Equipment	96.8	94.5	90.9	2.3	5.9
Aircraft and Parts	36.4	36.6	36.6	-.2	-.2
Instruments and Related Products	25.5	25.6	27.0	-.2	-1.5
Measuring and Controlling Devices	15.4	15.6	16.5	-.1	-1.1
Nondurable Goods[g]	379.2	380.1	374.2	-.9	5.0
Food and Kindred Products	66.4	67.4	64.9	-1.0	1.5
Dairy Products	10.8	10.8	10.2	.0	.6
Preserved Fruits and Vegetables	12.0	13.4	11.9	-1.3	.2
Bakery Products	9.7	9.7	9.7	.1	.0
Apparel and Other Textile Products	15.6	15.3	15.3	.3	.3
Paper and Allied Products	38.0	38.0	37.8	.0	.2
Paperboard Containers and Boxes	14.2	14.1	13.9	.1	.4
Miscellaneous Converted Paper Products	12.1	12.2	12.0	-.1	.1
Printing and Publishing	76.5	76.5	74.8	-.1	1.7
Newspapers	19.5	19.5	18.9	.0	.5
Commercial Printing	28.1	28.0	27.6	.1	.5
Chemicals and Allied Products	67.1	67.0	65.5	.1	1.6
Plastics Materials and Synthetics	9.8	9.9	9.7	.0	.1
Rubber and Miscellaneous Plastics Products	97.2	97.3	97.6	-.1	-.4
Tires and Inner Tubes	15.9	15.9	15.6	.0	.3
Miscellaneous Plastics Products	59.4	59.3	59.0	.1	.4
Service-Producing Industries	3639.0	3616.7	3538.6	22.2	100.4
Transportation and Public Utilities	222.1	222.3	219.4	-.2	2.7
Transportation	132.6	132.6	128.6	.0	4.0
Railroad Transportation	12.2	12.2	12.9	.0	-.7
Trucking and Warehousing	79.5	79.3	77.4	.2	2.1
Transportation by Air	14.5	14.6	13.4	-.1	1.1
Communications, Electric, Gas Services	89.5	89.7	90.7	-.2	-1.2
Communications	46.4	46.5	47.4	-.1	-1.0
Electric, Gas, and Sanitary Services	43.1	43.2	43.3	-.1	-.2

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Wholesale Trade	274.5	273.7	268.0	.8	6.5
Wholesale Trade-Durable Goods	173.5	173.2	169.6	.3	3.8
Motor Vehicles, Parts, and Supplies	23.1	23.0	22.9	.0	.2
Professional and Commercial Equipment	33.3	33.3	32.6	.0	.7
Metals and Minerals, Except Petroleum	11.5	11.6	11.3	-.1	.3
Electrical Goods	18.9	18.9	18.7	.1	.2
Hardware, Plumbing and Heating Equipment	13.1	13.0	12.7	.0	.3
Machinery, Equipment, and Supplies	43.4	43.2	42.2	.1	1.1
Wholesale Trade-Nondurable Goods	101.0	100.5	98.3	.5	2.7
Groceries and Related Products	33.4	33.3	32.4	.1	1.0
Retail Trade	944.8	945.6	919.7	-.8	25.2
Building Materials and Garden Supplies	36.4	36.8	35.1	-.4	1.3
Lumber and Other Building Materials	18.4	18.8	18.0	-.3	.5
General Merchandise Stores	128.2	126.6	127.9	1.6	.3
Department Stores	104.5	103.2	103.8	1.2	.7
Variety Stores	14.0	13.9	14.0	.1	.0
Food Stores	143.9	143.7	141.8	.2	2.1
Grocery Stores	126.8	126.7	125.2	.1	1.6
Automotive Dealers and Service Stations	102.3	103.6	100.6	-1.2	1.7
New and Used Car Dealers	44.9	45.4	44.7	-.5	.2
Gasoline Service Stations	36.2	36.5	34.8	-.2	1.5
Apparel and Accessory Stores	53.9	53.2	50.1	.7	3.9
Furniture and Homefurnishings Stores	34.3	33.8	32.4	.5	1.9
Eating and Drinking Places	319.7	324.4	313.5	-4.7	6.2
Miscellaneous Retail	126.1	123.6	118.2	2.5	7.9
Drug Stores and Proprietary Stores	33.0	32.6	31.3	.4	1.8
Nonstore Retailers	24.1	23.6	22.5	.5	1.5
Finance, Insurance, and Real Estate	257.4	258.3	254.1	-.9	3.2
Finance	120.8	121.1	119.7	-.3	1.1
Depository Institutions	90.7	91.0	90.5	-.3	.1
Commercial Banks	64.4	64.5	63.6	-.2	.7
Insurance	92.5	92.5	91.6	.0	.8
Insurance Carriers	70.2	70.4	70.0	-.2	.2
Life Insurance	25.9	25.8	25.9	.0	.0
Fire, Marine, and Casualty Insurance	31.7	31.9	30.9	-.2	.8
Real Estate	44.2	44.7	42.8	-.6	1.3
Services	1204.6	1208.9	1156.2	-4.3	48.3
Hotels and Other Lodging Places	39.0	40.2	38.0	-1.2	.9
Personal Services	54.6	54.4	53.7	.2	.9
Business Services	224.2	224.0	210.6	.2	13.6
Services to Buildings	33.6	33.8	32.7	-.2	.9
Personnel Supply Services	79.2	79.9	74.2	-.6	5.0
Computer and Data Processing Services	28.5	28.4	26.3	.1	2.3
Amusements, Including Motion Pictures	57.3	66.9	50.5	-9.6	6.8
Health Services	402.4	401.8	389.1	.6	13.3
Nursing and Personal Care Facilities	87.0	87.4	84.1	-.4	2.9
Hospitals	193.8	193.7	188.4	.1	5.4
Legal Services	30.5	30.4	28.9	.1	1.5
Educational Services	65.7	59.7	64.6	6.0	1.1
Colleges and Universities	37.5	32.6	36.8	4.9	.7
Social Services	77.1	76.4	74.0	.6	3.1
Residential Care	23.6	23.5	22.3	.0	1.3
Membership Organizations	80.5	80.7	79.1	-.2	1.3
Engineering and Management Services	89.3	88.8	85.9	.5	3.3
Engineering and Architectural Services	27.4	27.4	26.2	.1	1.2
Accounting, Auditing, and Bookkeeping	21.8	21.6	21.2	.2	.7
Research and Testing Services	19.3	19.2	19.0	.1	.3
Management and Public Relations	20.7	20.6	19.6	.1	1.1
Government	735.6	707.9	721.2	27.7	14.4
Federal Government	93.8	94.3	97.0	-.5	-3.2
U.S. Postal Service	33.3	33.3	34.2	.0	-.9
State Government	169.8	154.4	164.7	15.3	5.1
State Government Hospitals	16.0	15.8	16.0	.2	.0
State Government Education[h]	92.7	76.1	89.7	16.6	3.1
Local Government	472.0	459.2	459.4	12.8	12.6
Local Government Hospitals	15.2	15.1	14.8	.0	.4
Local Government Education	280.6	265.9	273.8	14.7	6.8

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]
Goods-Producing Industries	$564.98	$572.61	$541.41	42.1	42.7	42.1	$13.42	$13.41	$12.86
Mining	659.69	626.18	612.01	46.1	44.6	45.2	14.31	14.04	13.54
Coal Mining	806.38	727.58	756.57	46.0	42.4	44.9	17.53	17.16	16.85
Construction	630.63	644.80	628.68	39.0	40.3	40.3	16.17	16.00	15.60
General Building Contractors	541.71	571.70	552.42	39.0	41.1	39.8	13.89	13.91	13.88
Heavy Construction, Except Building	680.67	742.11	680.26	40.3	43.5	42.2	16.89	17.06	16.12
Special Trade Contractors	643.08	643.73	642.80	38.6	39.3	40.0	16.66	16.38	16.07
Manufacturing	549.98	556.85	521.10	42.7	43.2	42.4	12.88	12.89	12.29
Durable Goods[f]	574.48	581.16	539.30	43.0	43.5	42.7	13.36	13.36	12.63
Lumber and Wood Products	311.04	313.08	332.86	38.4	38.7	40.2	8.10	8.09	8.28
Millwork, Plywood and Structural Members	368.16	366.54	364.63	41.6	41.7	42.3	8.85	8.79	8.62
Furniture and Fixtures	401.74	409.49	390.10	42.2	42.7	41.5	9.52	9.59	9.40
Stone, Clay, and Glass Products	496.60	501.38	490.05	42.7	43.0	43.1	11.63	11.66	11.37
Primary Metal Industries	671.99	684.71	610.42	45.1	45.8	43.2	14.90	14.95	14.13
Blast Furnace and Basic Steel Products	702.47	708.55	611.33	46.8	47.3	42.9	15.01	14.98	14.25
Iron and Steel Foundries	725.91	745.89	638.24	45.2	46.3	43.3	16.06	16.11	14.74
Nonferrous Rolling and Drawing	669.09	716.81	675.75	41.2	43.0	42.5	16.24	16.67	15.90
Nonferrous Foundries	463.95	467.83	456.32	42.8	43.6	43.5	10.84	10.73	10.49
Fabricated Metal Products	539.33	543.99	507.78	42.3	42.8	42.0	12.75	12.71	12.09
Fabricated Structural Metal Products	493.06	494.79	462.68	43.1	43.1	42.1	11.44	11.48	10.99
Metal Forgings and Stampings	685.72	695.71	623.93	43.1	44.2	42.3	15.91	15.74	14.75
Industrial Machinery and Equipment	565.02	562.42	528.90	43.8	43.7	43.0	12.90	12.87	12.30
Construction and Related Machinery	465.12	454.73	446.89	40.8	40.1	40.7	11.40	11.34	10.98
Metalworking Machinery	541.79	534.26	528.06	44.3	43.9	44.3	12.23	12.17	11.92
Special Industry Machinery	499.70	531.16	528.75	42.6	44.3	45.0	11.73	11.99	11.75
General Industrial Machinery	676.91	670.94	598.13	46.3	46.4	43.5	14.62	14.46	13.75
Computer and Office Equipment	470.42	465.15	468.42	40.8	41.2	42.2	11.53	11.29	11.10
Refrigeration and Service Machinery	645.58	651.22	557.92	42.5	42.9	40.4	15.19	15.18	13.81
Electronic and Other Electric Equipment	472.73	477.76	460.37	41.0	41.4	41.4	11.53	11.54	11.12
Electrical Industrial Apparatus	457.21	469.76	442.37	42.1	42.9	42.7	10.86	10.95	10.36
Household Appliances	489.14	496.50	484.00	39.8	40.3	40.3	12.29	12.32	12.01
Electric Lighting and Wiring Equipment	496.11	502.94	467.93	40.4	40.3	40.2	12.28	12.48	11.64
Electronic Components and Accessories	341.42	354.06	339.08	40.5	41.9	41.1	8.43	8.45	8.25
Transportation Equipment	745.92	767.45	711.67	44.4	45.6	44.9	16.80	16.83	15.85
Motor Vehicles and Equipment	769.45	798.66	739.11	44.4	45.9	45.4	17.33	17.40	16.28
Aircraft and Parts	694.15	685.89	675.60	44.9	44.8	45.1	15.46	15.31	14.98
Instruments and Related Products	395.81	401.40	383.13	39.7	40.1	40.5	9.97	10.01	9.46
Measuring and Controlling Devices	389.61	390.56	379.35	39.0	38.9	40.1	9.99	10.04	9.46
Nondurable Goods[g]	496.36	504.38	482.69	42.1	42.6	41.9	11.79	11.84	11.52
Food and Kindred Products	474.33	492.59	457.03	42.2	43.4	41.7	11.24	11.35	10.96
Dairy Products	490.05	496.06	458.39	43.1	43.4	41.9	11.37	11.43	10.94
Preserved Fruits and Vegetables	490.23	525.78	486.03	41.9	44.9	42.3	11.70	11.71	11.49
Bakery Products	501.41	508.37	477.50	40.6	40.8	39.3	12.35	12.46	12.15
Apparel and Other Textile Products	336.96	344.38	296.83	41.6	42.1	38.4	8.10	8.18	7.73
Paper and Allied Products	533.12	537.43	498.18	44.8	45.2	43.7	11.90	11.89	11.40
Paperboard Containers and Boxes	478.80	491.11	439.13	45.0	45.6	42.8	10.64	10.77	10.26
Miscellaneous Converted Paper Products	507.35	489.07	452.02	44.7	44.1	43.8	11.35	11.09	10.32
Printing and Publishing	480.00	487.62	467.63	40.0	40.5	39.9	12.00	12.04	11.72
Newspapers	384.92	376.49	390.68	33.5	33.2	34.3	11.49	11.34	11.39
Commercial Printing	494.34	511.17	474.60	42.0	43.1	42.0	11.77	11.86	11.30
Chemicals and Allied Products	609.04	615.17	595.78	42.8	43.2	42.8	14.23	14.24	13.92
Plastics Materials and Synthetics	695.64	691.60	690.37	44.0	43.8	44.8	15.81	15.79	15.41
Rubber and Miscellaneous Plastics Products	460.74	461.58	440.15	42.0	42.0	41.8	10.97	10.99	10.53
Tires and Inner Tubes	729.79	716.77	683.11	44.8	44.3	44.1	16.29	16.18	15.49
Miscellaneous Plastics Products	441.79	444.29	417.99	41.6	41.6	41.1	10.62	10.68	10.17
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	629.93	636.97	606.10	41.8	42.1	41.4	15.07	15.13	14.64
Communications	577.60	583.54	571.05	40.0	40.3	40.3	14.44	14.48	14.17
Electric, Gas, and Sanitary Services	690.55	700.83	646.91	43.9	44.3	42.7	15.73	15.82	15.15
Wholesale Trade	420.42	422.18	407.29	39.0	39.2	39.2	10.78	10.77	10.39
Wholesale Trade-Durable Goods	417.69	418.55	397.49	39.0	39.3	39.2	10.71	10.65	10.14
Motor Vehicles, Parts, and Supplies	353.63	349.27	345.08	37.7	37.8	38.3	9.38	9.24	9.01
Metals and Minerals, Except Petroleum	468.54	474.75	464.45	41.5	42.2	42.3	11.29	11.25	10.98
Wholesale Trade-Nondurable Goods	425.80	428.61	423.06	39.1	39.0	39.1	10.89	10.99	10.82

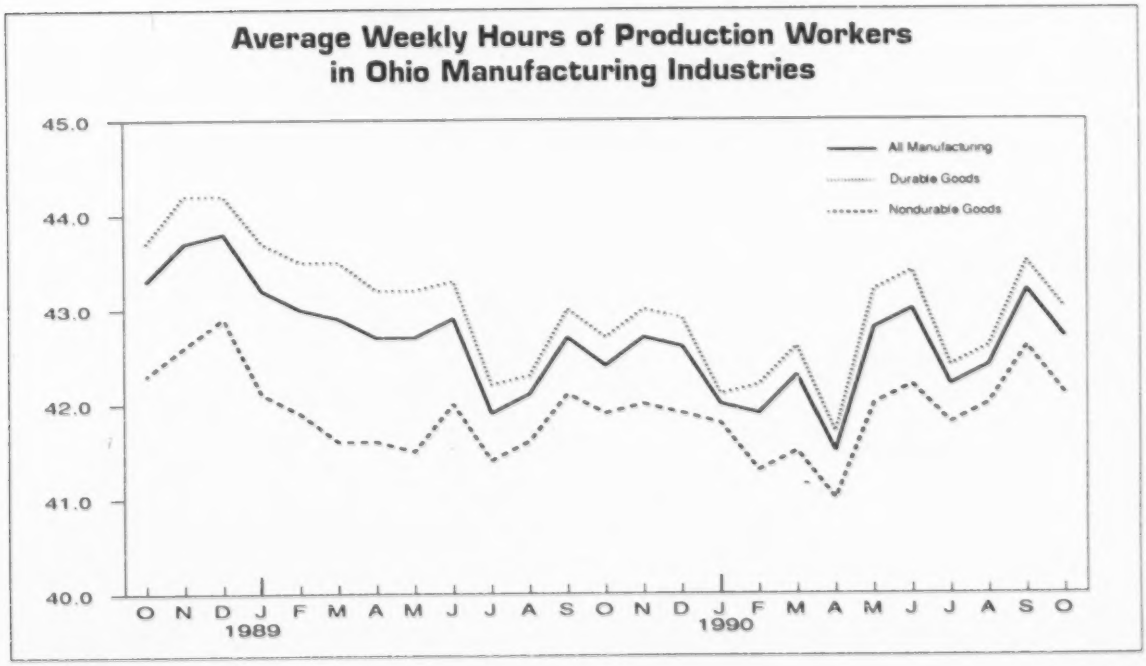
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

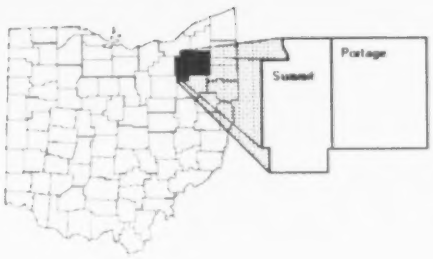
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]
Retail Trade[i]	$179.22	$180.32	$174.84	27.7	28.0	28.2	$6.47	$6.44	$6.20
General Merchandise Stores	196.37	195.80	184.11	28.5	28.5	28.5	6.89	6.87	6.46
Department Stores	199.79	199.91	189.22	28.5	28.6	28.8	7.01	6.99	6.57
Finance, Insurance, and Real Estate	352.54	351.03	344.88	....	....	....	....	....	....
Finance	324.83	323.80	320.98	....	....	....	....	....	....
Depository Institutions	275.52	275.84	273.52	....	....	....	....	....	....
Commercial Banks	270.39	269.87	269.83	....	....	....	....	....	....
Insurance	421.44	418.62	411.05	....	....	....	....	....	....
Insurance Carriers	409.02	407.91	394.80	....	....	....	....	....	....
Life Insurance	379.33	376.86	369.13	....	....	....	....	....	....
Fire, Marine, and Casually Insurance	442.27	440.45	422.11	....	....	....	....	....	....
Services	.....	.....	.....	....	....	....	....	....	....
Business Services	250.17	245.02	220.75	33.4	32.8	31.9	7.49	7.47	6.92
Health Services	318.21	319.27	302.73	31.6	31.8	31.6	10.07	10.04	9.58
Nursing and Personal Care Facilities	216.60	217.24	198.77	31.9	31.9	31.5	6.79	6.81	6.31
Hospitals	370.94	374.73	358.34	32.2	32.5	32.4	11.52	11.53	11.06
Engineering and Management Services	498.60	482.94	453.26	36.0	35.2	34.6	13.85	13.72	13.10
Engineering and Architectural Services	719.29	665.28	628.31	34.9	32.5	31.4	20.61	20.47	20.01
Research and Testing Services	379.05	392.39	372.68	36.1	36.4	35.8	10.50	10.78	10.41

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.



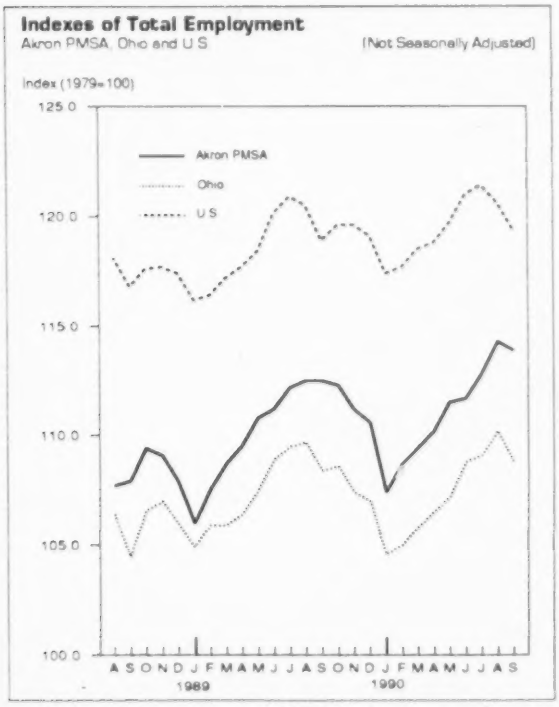
Akron
Primary Metropolitan Statistical Area

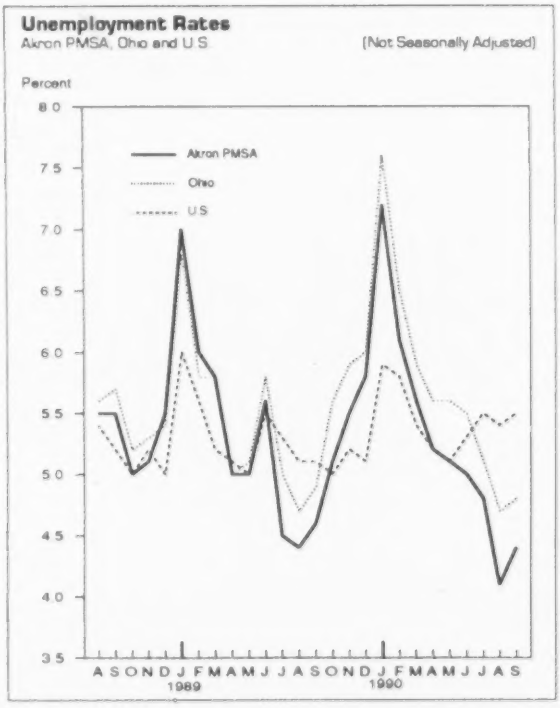


In the Akron metropolitan area, nonfarm payroll employment dropped 1,100 below the September level to 296,700 in October 1990. The number of jobs in the service-producing sector declined 1,300. Seasonal reductions in services, especially amusements, including motion pictures, outweighed the continued return of nonteaching personnel in state and local schools and colleges. Employment in goods-producing industries increased 200 over the month to 80,900. Scattered improvements in manufacturing, particularly in fabricated metal products and rubber and miscellaneous plastics products, more than offset modest declines in construction. Factory production workers averaged $12.19 per hour, down fractionally from September. Their average workweek of 42.8 hours was 0.6 hours shorter.

Nonagricultural wage and salary employment advanced 8,200 between October 1989 and October 1990. Service-producing industries added 6,800 employees. A major portion of the gain occurred in services (+4,300) and retail trade (+1,500). Over-the-year growth among producers of durable and nondurable goods, especially rubber and miscellaneous plastics products, and slight expansion in construction raised employment in goods-producing industries 1,400. The workforce in industrial machinery and equipment, electronic and other electric equipment, and transportation equipment declined during the period.

Seasonally adjusted employment in the Akron area declined 1,000 from September to 292,000 in October 1990 mainly due to a reduction in government. The number of jobs in services and manufacturing increased over the month. Since October 1989, total payroll employment advanced 8,000 primarily due to expansion in services. Improvements were also posted in transportation and public utilities, retail trade, and manufacturing.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$ 7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11
338.0	321.8	16.2	4.8	July	290.1	67.6	38.3	509.92	42.6	11.97
340.4	326.3	14.1	4.1	August	291.2	67.9	38.6	529.40	43.5	12.17
339.9	325.0	14.9	4.4	September	297.8	68.6	39.2	529.91	43.4	12.21
INA	INA	INA	INA	October	296.7	69.0	39.6	521.73	42.8	12.19

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	215	14	16	57	11	71	46
293	79	10	68	September	213	14	16	57	11	71	45
292	80	10	69	October	213	14	16	57	11	72	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	296.7	297.8	288.5	-1.1	8.2
Goods-Producing Industries[e]	80.9	80.7	79.5	.2	1.4
Construction	11.3	11.5	10.9	-.2	.3
Manufacturing	69.0	68.6	67.9	.4	1.1
Durable Goods[f]	35.3	35.1	35.0	.2	.3
Fabricated Metal Products	11.4	11.3	11.3	.1	.1
Fabricated Structural Metal Products	5.0	5.0	4.9	.0	.1
Industrial Machinery and Equipment	10.1	10.2	10.3	.0	-.1
Metalworking Machinery	4.0	4.0	3.9	.0	.1
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.8	4.8	4.9	.0	-.1
Nondurable Goods[g]	33.7	33.5	32.9	.2	.8
Food and Kindred Products	3.1	3.1	3.1	.0	.1
Chemicals and Allied Products	3.7	3.7	3.6	.0	.1
Rubber and Miscellaneous Plastics Products	20.8	20.7	20.2	.1	.6
Tires and Inner Tubes	11.5	11.5	11.2	.0	.3
Service-Producing Industries	215.8	217.1	209.0	-1.3	6.8
Transportation and Public Utilities	13.7	13.7	13.3	.0	.4
Communications, Electric, Gas Services	4.7	4.7	4.7	.0	.1
Wholesale Trade	15.9	16.0	15.7	-.1	.2
Retail Trade	57.6	57.8	56.0	-.2	1.5
General Merchandise Stores	7.6	7.6	7.7	.1	-.1
Food Stores	9.2	9.2	9.2	.0	.1
Finance, Insurance, and Real Estate	10.6	10.8	10.6	-.1	.1
Finance	5.3	5.4	5.4	-.1	-.1
Services	71.5	73.0	67.2	-1.5	4.3
Business Services	12.2	12.3	11.8	-.1	.4
Personnel Supply Services	3.2	3.3	3.3	-.2	-.2
Amusements, Including Motion Pictures	7.3	8.8	5.5	-1.5	1.8
Health Services	22.6	22.6	21.8	.0	.8
Nursing and Personal Care Facilities	4.0	4.1	3.9	-.1	.1
Hospitals	11.1	11.1	10.8	.0	.3
Social Services	4.9	4.8	4.7	.1	.2
Engineering and Management Services	5.5	5.4	5.1	.1	.4
Government	46.5	45.9	46.3	.6	.2
Federal Government	2.4	2.4	2.4	.0	.1
State Government	17.8	17.2	17.5	.6	.2
State Government Education[h]	14.9	14.3	14.7	.6	.3
Local Government	26.3	26.3	26.4	.1	-.1
Local Government Education	14.3	14.2	14.5	.1	-.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

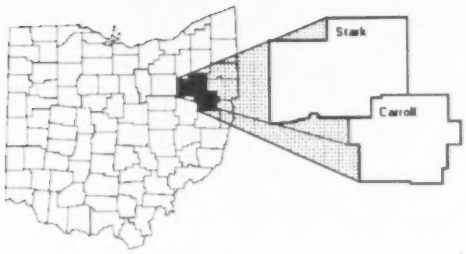
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]
Manufacturing	$521.73	$529.91	$497.78	42.8	43.4	42.4	$12.19	$12.21	$11.74
Durable Goods[f]	525.95	541.01	511.63	42.9	43.7	42.6	12.26	12.38	12.01
Fabricated Metal Products	651.46	688.32	627.69	43.2	44.9	42.7	15.08	15.33	14.70
Fabricated Structural Metal Products	539.34	539.34	471.06	44.5	44.5	42.4	12.12	12.12	11.11
Industrial Machinery and Equipment	490.39	494.83	477.12	44.5	44.7	44.8	11.02	11.07	10.65
Metalworking Machinery	544.52	538.87	523.51	46.5	45.9	46.7	11.71	11.74	11.21
Electronic and Other Electric Equipment	436.18	426.40	386.10	41.9	41.0	39.6	10.41	10.40	9.75
Transportation Equipment	624.02	627.63	624.09	42.8	42.9	43.1	14.58	14.63	14.48
Nondurable Goods[g]	516.24	513.08	479.10	42.7	42.9	42.1	12.09	11.96	11.38
Food and Kindred Products	393.42	386.51	394.07	39.5	39.2	41.7	9.96	9.86	9.45
Chemicals and Allied Products	586.98	575.46	535.99	44.2	44.3	43.4	13.28	12.99	12.35
Rubber and Miscellaneous Plastics Products	517.44	521.66	478.27	43.3	43.8	42.4	11.95	11.91	11.28
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	594.63	598.78	614.43	40.7	40.9	41.6	14.61	14.64	14.77
Wholesale Trade	363.10	361.72	353.79	36.9	36.5	36.7	9.84	9.91	9.64
Retail Trade[e]	214.20	216.75	213.89	30.6	30.4	31.5	7.00	7.13	6.79
General Merchandise Stores	200.55	196.10	202.43	29.8	29.4	31.0	6.73	6.67	6.53
Food Stores	323.36	319.66	327.99	37.6	37.3	37.7	8.60	8.57	8.70
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	276.86	281.68	268.74	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Canton Metropolitan Statistical Area

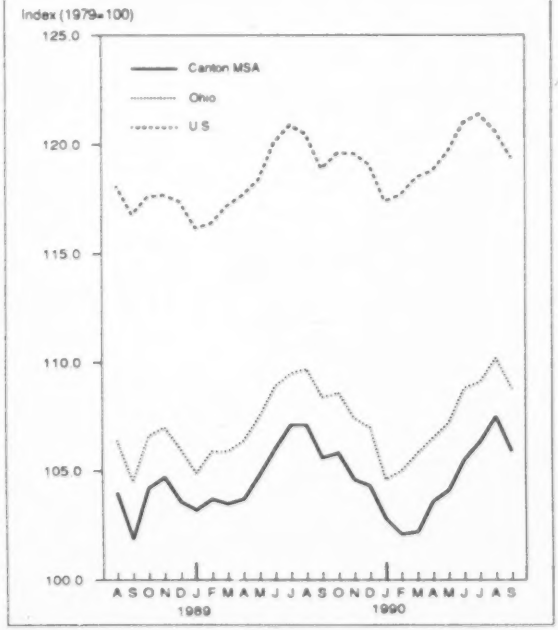


Nonagricultural payroll employment in the Canton metropolitan area totaled 169,200 in October 1990, up 100 from September. The continued return of nonteaching personnel in local schools and nominal gains in retail trade and services raised employment in service-producing industries 400. Seasonal declines in construction and slight reductions in manufacturing, especially primary metal industries, lowered employment in goods-producing industries 300 over the month to 54,500. Factory production workers averaged $11.54 per hour, 8 cents higher than September. Their average workweek of 42.3 hours was 0.6 hours shorter.

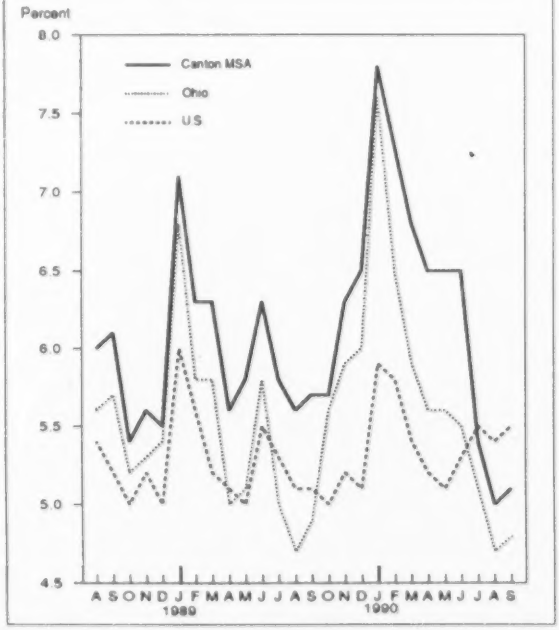
Nonfarm wage and salary employment advanced 7,400 between October 1989 and October 1990. Goods-producing industries rose 5,200. Labor-management disputes in durable goods, especially primary metal industries, significantly reduced employment in manufacturing in October 1989. Over-the-year gains in construction and food and kindred products partially offset cutbacks in fabricated metal products and rubber and miscellaneous plastics products. The number of jobs in the service-producing sector increased 2,200 during the period. Leading areas of expansion were services (+1,400) and retail trade (+600).

Seasonally adjusted employment in the Canton area decreased 1,000 from the September level to 167,000 in October 1990 with reductions posted in retail trade and government. Over the year, total employment increased 7,000 primarily due to the settlement of labor-management disputes in durable-goods manufacturing and growth in services.

Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)



Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$ 8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
196.6	186.7	9.9	5.0	August	168.4	45.3	31.6	484.08	42.5	11.39
193.8	184.0	9.8	5.1	September	169.1	45.7	32.1	491.63	42.9	11.46
INA	INA	INA	INA	October	169.2	45.6	32.0	488.14	42.3	11.54

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20
168	54	7	45	September	114	6	9	34	7	40	20
167	54	7	45	October	114	6	9	33	7	40	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	169.2	169.1	161.8	.1	7.4
Goods-Producing Industries[e]	54.5	54.8	49.2	-.3	5.2
Construction	8.0	8.3	7.9	-.2	.2
Manufacturing	45.6	45.7	40.6	-.1	5.0
Durable Goods[f]	33.9	33.9	28.7	.0	5.2
Primary Metal Industries	12.0	12.1	9.1	-.1	2.9
Fabricated Metal Products	5.6	5.6	6.3	.0	-.7
Electronic and Other Electric Equipment	4.0	4.0	4.1	.0	-.1
Nondurable Goods[g]	11.7	11.8	11.9	-.1	-.2
Food and Kindred Products	3.5	3.5	3.3	.0	.2
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.2	.0	-.4
Service-Producing Industries	114.7	114.3	112.5	.4	2.2
Transportation and Public Utilities	5.7	5.7	5.7	.0	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.7	8.5	.0	.2
Retail Trade	33.9	33.9	33.4	.1	.6
General Merchandise Stores	4.1	4.0	4.2	.1	-.1
Food Stores	5.7	5.6	5.6	.1	.0
Finance, Insurance, and Real Estate	6.7	6.7	6.8	.0	-.1
Finance	3.9	3.9	3.9	.0	.0
Services	40.1	40.0	38.7	.1	1.4
Health Services	16.4	16.3	15.7	.1	.7
Nursing and Personal Care Facilities	3.9	3.9	3.7	.0	.1
Hospitals	7.6	7.6	7.4	.1	.2
Government	19.6	19.4	19.4	.2	.2
Federal Government	1.4	1.4	1.3	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.0	.0
Local Government	16.6	16.3	16.3	.2	.2
Local Government Education	10.2	9.7	9.9	.5	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

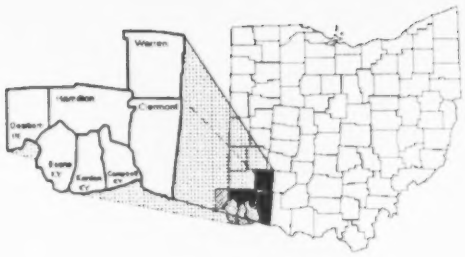
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$488.14	$491.63	$456.08	42.3	42.9	41.2	$11.54	$11.46	$11.07
Durable Goods[f]	507.51	510.69	481.62	42.9	43.5	42.1	11.83	11.74	11.44
Primary Metal Industries	572.62	564.11	473.06	45.7	45.9	41.1	12.53	12.29	11.51
Fabricated Metal Products	442.26	448.51	546.92	40.5	40.7	45.2	10.92	11.02	12.10
Electronic and Other Electric Equipment	587.70	584.44	542.02	41.3	41.1	41.0	14.23	14.22	13.22
Nondurable Goods[g]	432.48	429.22	394.52	40.8	40.8	39.1	10.60	10.52	10.09
Food and Kindred Products	434.11	435.11	397.76	39.9	39.7	38.1	10.88	10.96	10.44
Rubber and Miscellaneous Plastics Products	387.69	389.54	389.76	40.3	40.2	40.6	9.62	9.69	9.60
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	605.62	600.06	588.47	40.7	41.1	40.5	14.88	14.60	14.53
Wholesale Trade	385.84	385.67	377.42	38.7	38.8	38.2	9.97	9.94	9.88
Retail Trade[i]	174.86	175.77	167.51	27.8	27.9	28.2	6.29	6.30	5.94
General Merchandise Stores	194.17	194.42	185.18	28.1	28.3	29.3	6.91	6.87	6.32
Food Stores	173.13	171.05	158.85	29.0	28.7	27.2	5.97	5.96	5.84
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	190.53	193.37	173.73	30.1	30.5	29.1	6.33	6.34	5.97

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

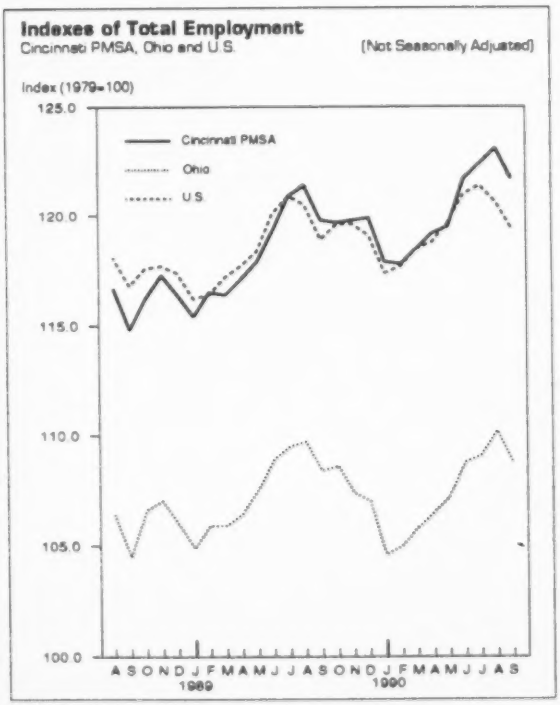
Cincinnati Primary Metropolitan Statistical Area

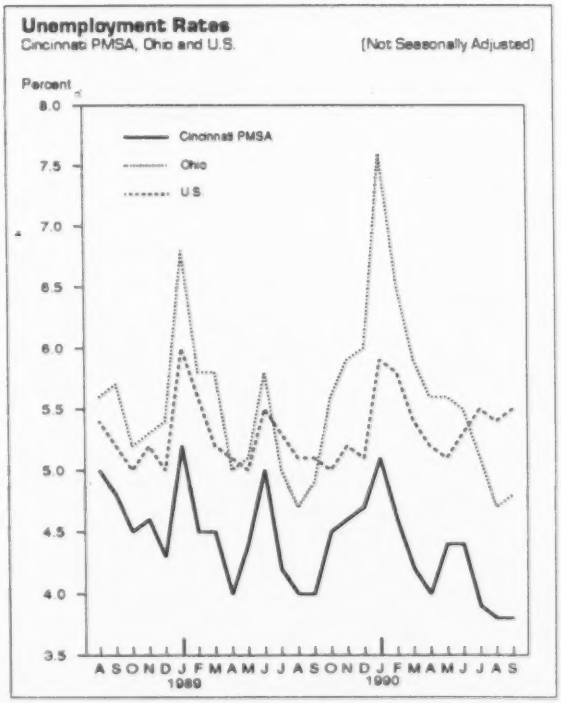


Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 1,400 above the September level to 762,100 in October 1990. Employment in service-producing industries increased 1,700. The continued return of nonteaching personnel in state and local schools and colleges and gains in retail trade outweighed seasonal declines in services, especially amusements, including motion pictures, and less business in finance, insurance, and real estate. The workforce in goods-producing industries, at 187,400, lost 400 jobs. Seasonal layoffs in construction negated scattered gains in manufacturing, especially chemicals and allied products and printing and publishing. Factory production workers averaged $12.17 per hour, down fractionally from September. Their average workweek was 0.4 hours shorter at 43.0 hours.

Nonagricultural payroll employment advanced 23,000 between October 1989 and October 1990. Improvements in service-producing industries contributed 94.3 percent of the gain. Leading growth areas were services (+8,800) and retail trade (+6,800). Moderate expansion was posted in local government, transportation and public utilities, and wholesale trade. Gains in manufacturing raised employment in the goods-producing sector 1,300. Over-the-year increases in chemicals and allied products, printing and publishing, and transportation equipment more than offset reductions in electronic and other electric equipment and apparel and other textile products.

Seasonally adjusted employment in the Cincinnati area increased 3,000 from September to 756,000 in October 1990. Gains in services, government, and manufacturing overshadowed a decline in construction. Since October 1989, total payroll employment advanced 23,000. Primary areas of expansion were services (+9,000), retail trade (+6,000), and government (+3,000). Noteworthy growth occurred in wholesale trade, transportation and public utilities, and manufacturing.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$ 7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
800.4	768.8	31.6	3.9	July	754.7	148.7	93.3	516.86	43.0	12.02
803.6	773.5	30.2	3.8	August	756.1	148.9	93.5	529.83	43.5	12.18
794.1	764.1	30.1	3.8	September	760.8	149.8	94.5	529.48	43.4	12.20
INA	INA	INA	INA	October	762.1	150.2	95.2	523.31	43.0	12.17

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	Februery	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
754	184	36	148	August	570	41	50	152	43	190	94
753	184	35	148	September	569	41	50	151	43	191	92
756	184	34	149	October	572	41	50	151	43	194	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	762.1	760.8	739.2	1.4	23.0
Goods-Producing Industries[e]	187.4	187.7	186.0	-.4	1.3
Construction	36.7	37.5	36.8	-.8	-.1
Manufacturing	150.2	149.8	148.8	.5	1.4
Durable Goods[f]	80.5	80.7	80.5	-.2	.0
Fabricated Metal Products	12.4	12.3	12.4	.1	.0
Fabricated Structural Metal Products	4.7	4.6	4.5	.0	.1
Industrial Machinery and Equipment	19.3	19.3	19.4	.1	.0
Electronic and Other Electric Equipment	7.6	7.6	8.0	.0	-.4
Transportation Equipment	24.9	25.0	24.4	-.1	.5
Motor Vehicles and Equipment	5.0	5.0	4.8	.0	.2
Instruments and Related Products	3.5	3.6	3.7	.0	-.2
Nondurable Goods[g]	69.7	69.1	68.3	.6	1.4
Food and Kindred Products	12.4	12.3	12.4	.1	.0
Beverages	3.0	2.9	2.9	.0	.1
Apparel and Other Textile Products	3.4	3.4	3.8	.0	-.4
Paper and Allied Products	6.1	6.1	6.0	.0	.1
Printing and Publishing	15.0	14.8	14.4	.2	.7
Commercial Printing	6.6	6.5	6.4	.1	.3
Chemicals and Allied Products	23.0	22.7	22.3	.3	.8
Rubber and Miscellaneous Plastics Products	7.1	7.1	6.9	.1	.2
Service-Producing Industries	574.8	573.1	553.1	1.7	21.7
Transportation and Public Utilities	41.9	42.0	40.5	-.1	1.5
Transportation	25.4	25.5	24.2	-.1	1.2
Trucking and Warehousing	11.4	11.5	11.0	-.1	.4
Transportation by Air	7.0	6.9	6.2	.1	.8
Communications, Electric, Gas Services	16.5	16.5	16.3	.0	.2
Communications	9.6	9.7	9.9	.0	-.2
Wholesale Trade	49.8	49.6	48.4	.2	1.3
Wholesale Trade-Durable Goods	29.2	29.1	28.8	.2	.4
Retail Trade	152.6	152.2	145.8	.4	6.8
General Merchandise Stores	23.2	22.6	21.8	.6	1.4
Finance, Insurance, and Real Estate	43.1	43.4	42.7	-.3	.4
Finance	17.7	17.6	17.3	.1	.4
Depository Institutions	13.9	13.8	13.6	.1	.3
Commercial Banks	9.8	9.7	9.4	.1	.4
Insurance	16.9	16.9	17.0	.0	-.1
Insurance Carriers	14.1	14.1	14.3	.0	-.2
Life Insurance	6.6	6.6	6.8	.0	-.2
Fire, Marine, and Casualty Insurance	5.4	5.4	5.0	.0	.3
Services	193.7	194.3	184.9	-.6	8.8
Hotels and Other Lodging Places	7.7	7.8	7.3	-.1	.4
Personal Services	8.7	8.6	8.3	.0	.4
Business Services	38.8	38.8	37.5	.0	1.2
Services to Buildings	6.2	6.2	5.9	.0	.2
Computer and Data Processing Services	5.0	5.0	4.6	.0	.4
Amusements, Including Motion Pictures	12.6	14.0	10.3	-1.4	2.3
Health Services	58.7	58.6	56.4	.1	2.3
Nursing and Personal Care Facilities	11.3	11.3	11.0	.0	.3
Hospitals	27.9	27.8	26.9	.0	1.0
Legal Services	4.8	4.7	4.4	.1	.3
Educational Services	7.2	6.7	7.2	.5	.0
Social Services	12.6	12.7	12.3	-.1	.4
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.5	17.3	16.4	.2	1.2
Engineering and Architectural Services	6.0	6.0	5.6	.0	.5
Government	93.7	91.6	90.9	2.2	2.9
Federal Government	15.9	16.0	15.6	-.1	.3
State Government	21.3	20.0	20.9	1.3	.4
State Government Education[h]	13.0	11.7	12.8	1.4	.3
Local Government	56.5	55.5	54.4	1.0	2.2
Local Government Education	32.3	30.9	30.9	1.4	1.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

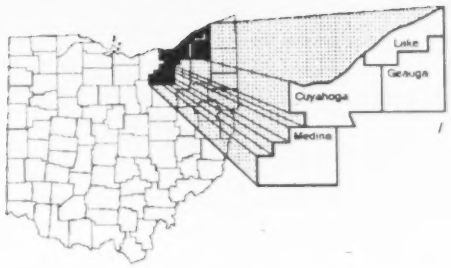
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$523.31	$529.48	$508.21	43.0	43.4	43.4	$12.17	$12.20	$11.71
Durable Goods[d]	524.02	527.66	502.55	43.2	43.5	43.7	12.13	12.13	11.50
Fabricated Metal Products	444.87	447.98	425.27	42.9	43.2	43.0	10.37	10.37	9.89
Fabricated Structural Metal Products	526.44	521.10	484.37	45.5	45.0	45.1	11.57	11.58	10.74
Industrial Machinery and Equipment	482.94	484.08	468.17	42.4	42.5	42.6	11.39	11.39	10.99
Electronic and Other Electric Equipment	386.37	403.79	373.01	40.5	41.8	41.4	9.54	9.66	9.01
Transportation Equipment	826.16	825.80	787.04	47.7	47.9	47.1	17.32	17.24	16.71
Motor Vehicles and Equipment	953.01	966.66	867.60	50.8	51.2	48.2	18.76	18.88	18.00
Instruments and Related Products	422.40	432.10	361.25	44.0	44.5	45.1	9.60	9.71	8.01
Nondurable Goods[g]	522.16	530.86	514.18	42.8	43.3	43.1	12.20	12.26	11.93
Food and Kindred Products	479.97	498.50	517.14	41.7	42.9	44.2	11.51	11.62	11.70
Beverages	544.85	554.73	552.86	40.6	41.0	42.3	13.42	13.53	13.07
Apparel and Other Textile Products	272.55	269.60	250.49	39.5	39.3	39.2	6.90	6.86	6.39
Paper and Allied Products	471.84	467.08	464.77	42.7	42.5	42.6	11.05	10.99	10.91
Printing and Publishing	515.41	533.35	495.51	41.7	42.6	41.5	12.36	12.52	11.94
Commercial Printing	549.76	587.88	531.33	44.3	46.0	44.5	12.41	12.78	11.94
Chemicals and Allied Products	645.01	650.48	633.93	43.7	44.1	44.3	14.76	14.75	14.31
Rubber and Miscellaneous Plastics Products	460.29	465.32	404.12	46.4	46.3	42.9	9.92	10.05	9.42
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	601.20	603.10	593.73	40.0	40.1	40.5	15.03	15.04	14.66
Communications	588.26	608.34	593.42	38.6	39.4	39.8	15.24	15.44	14.91
Wholesale Trade	449.01	448.33	433.71	39.7	39.5	39.5	11.31	11.35	10.98
Retail Trade[f]	178.00	177.80	172.17	27.9	28.0	28.6	6.38	6.35	6.02
General Merchandise Stores	218.89	224.70	203.18	29.5	30.0	30.1	7.42	7.49	6.75
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	304.61	301.49	292.72	....	....	....	.....	.....	.....
Commercial Banks	276.12	269.56	262.64	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	416.33	415.40	405.94	....	....	....	.....	.....	.....
Life Insurance	420.78	419.83	416.16	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	436.19	431.34	423.21	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	438.86	438.54	401.17	32.8	32.8	32.3	13.38	13.37	12.42
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	655.55	651.49	655.70	41.1	41.0	41.5	15.95	15.89	15.80

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products, furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

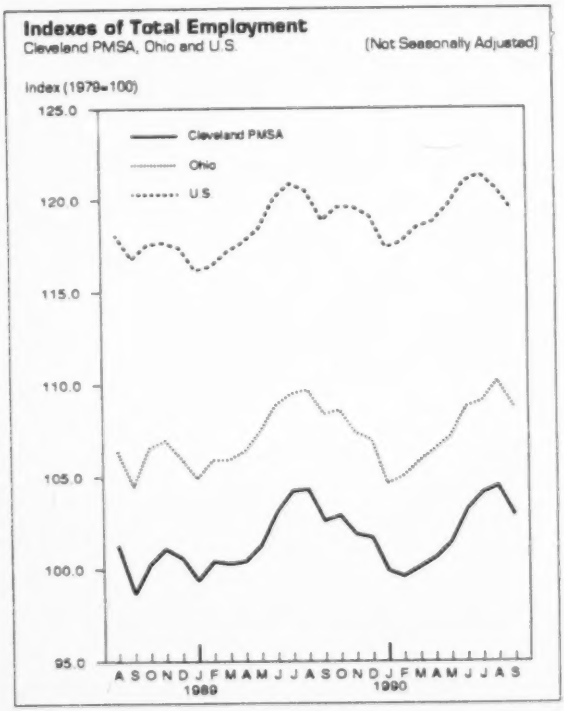
Cleveland
Primary Metropolitan Statistical Area

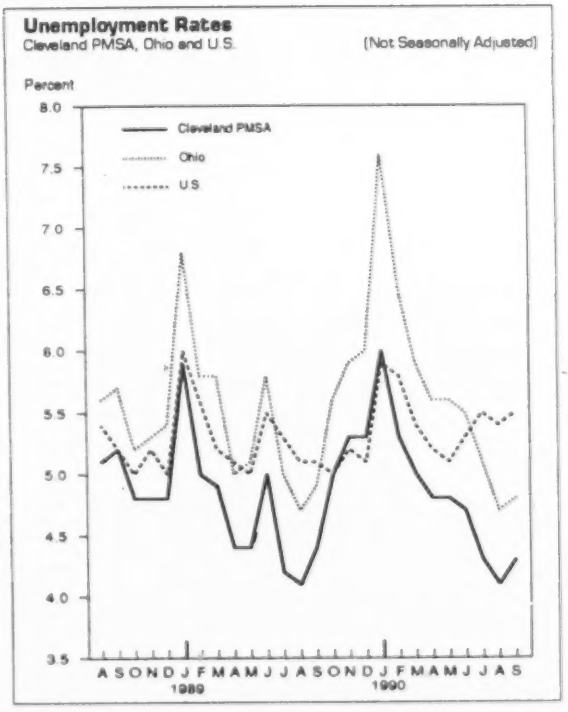


In the Cleveland metropolitan area, total nonfarm payroll employment increased 500 above the September level to 964,900 in October 1990. Service-producing industries added 600 employees. The continued return of nonteaching personnel in local and private schools more than offset seasonal layoffs in services, especially amusements, including motion pictures, and business services. The workforce in goods-producing industries decreased 100 over the month to 245,100. Less business in construction negated nominal gains among manufacturers of nondurable and durable goods, particularly fabricated metal products. Factory production workers averaged $12.30 per hour, little changed from September. Their average workweek remained at 43.1 hours.

Nonagricultural wage and salary employment advanced 17,200 between October 1989 and October 1990. Employment in service-producing industries increased 16,300, a 2.3 percent growth rate. A major portion of the improvement occurred in services (+6,600) and retail trade (+5,400). Noteworthy gains were posted in wholesale trade, local government, and finance, insurance, and real estate. The number of employees in goods-producing industries rose 900 mainly due to expansion in construction. Manufacturing remained at the year-ago level as reductions in industrial machinery and equipment and primary metal industries counterbalanced growth in fabricated metal products, printing and publishing, and stone, clay, and glass products.

Seasonally adjusted employment in the Cleveland area increased 1,000 from September to 958,000 in October 1990. Upturns in manufacturing and government outweighed a decline in services. Since October 1989, total payroll employment advanced 17,000. Although nearly all industries posted gains over the year, leading areas of expansion were services (+7,000) and retail trade (+6,000).





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$ 8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
967.6	925.6	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14
968.6	929.3	39.3	4.1	August	960.2	205.6	130.8	518.38	42.7	12.14
956.0	915.3	40.8	4.3	September	964.4	207.0	132.7	530.56	43.1	12.31
INA	INA	INA	INA	October	964.9	207.4	133.2	530.13	43.1	12.30

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
953	241	34	206	August	712	43	69	166	58	262	115
957	241	34	206	September	716	43	69	166	58	261	120
958	241	34	207	October	716	43	69	166	58	260	121

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct 1990[b]	Sep 1990[c]	Oct 1989[c]	From Last Month	From Last Year
Total	964.9	964.4	947.7	.5	17.2
Goods-Producing Industries[e]	245.1	245.1	244.1	-.1	.9
Construction	36.8	37.3	35.9	-.5	.9
Special Trade Contractors	25.0	25.2	24.6	-.2	.4
Manufacturing	207.4	207.0	207.4	.4	.0
Durable Goods[f]	140.9	140.8	141.8	.1	-.9
Stone, Clay, and Glass Products	3.8	3.8	3.6	.0	.3
Primary Metal Industries	20.9	21.0	21.4	-.1	-.5
Iron and Steel Foundries	4.2	4.2	4.5	.0	-.3
Fabricated Metal Products	34.6	34.2	33.8	.4	.8
Screw Machine Products, Bolts, etc	5.0	5.0	5.1	.0	-.1
Metal Forgings and Stampings	11.1	10.8	10.6	.3	.4
Industrial Machinery and Equipment	32.7	32.8	34.0	-.1	-1.2
Metalworking Machinery	12.9	12.9	13.0	.0	-.1
Electronic and Other Electric Equipment	15.2	15.4	15.3	-.1	-.1
Electrical Industrial Apparatus	4.3	4.3	4.5	.0	-.2
Electric Lighting and Wiring Equipment	5.0	5.1	5.2	.0	-.2
Transportation Equipment	19.1	19.2	19.3	-.1	-.1
Motor Vehicles and Equipment	12.0	12.1	12.2	-.1	-.2
Instruments and Related Products	7.0	7.0	7.1	.1	.0
Measuring and Controlling Devices	5.2	5.2	4.9	.0	.3
Nondurable Goods[g]	66.5	66.2	65.6	.3	.9
Food and Kindred Products	6.8	6.8	6.7	.0	.1
Apparel and Other Textile Products	3.3	3.2	3.2	.0	.1
Paper and Allied Products	5.8	5.7	6.0	.1	-.1
Printing and Publishing	17.5	17.4	17.1	.1	.4
Chemicals and Allied Products	14.9	15.0	14.6	-.1	.2
Rubber and Miscellaneous Plastics Products	12.2	12.1	12.0	.1	.2
Miscellaneous Plastics Products	7.9	7.8	7.6	.1	.3
Service-Producing Industries	719.8	719.3	703.6	.6	16.3
Transportation and Public Utilities	43.4	43.5	42.9	-.1	.5
Transportation	26.6	26.7	25.4	-.1	1.2
Trucking and Warehousing	11.9	11.9	11.8	.0	.1
Transportation by Air	5.5	5.5	5.0	-.1	.5
Communications, Electric, Gas Services	16.8	16.8	17.5	.0	-.7
Communications	10.0	10.0	10.2	.0	-.2
Electric, Gas, and Sanitary Services	6.8	6.7	7.3	.0	-.5
Wholesale Trade	68.7	68.7	67.1	.0	1.7
Wholesale Trade-Durable Goods	46.8	46.9	45.7	.0	1.2
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.1	-.1	-.1
Professional and Commercial Equipment	9.1	9.2	9.1	.0	.0
Retail Trade	166.7	166.9	161.3	-.2	5.4
General Merchandise Stores	21.4	21.2	21.1	.3	.3
Finance, Insurance, and Real Estate	57.9	58.2	56.9	-.3	1.0
Finance	27.9	28.1	27.7	-.2	.2
Depository Institutions	20.7	20.8	20.5	-.1	.1
Commercial Banks	12.9	13.0	13.0	-.1	-.1
Insurance	18.8	18.7	18.4	.0	.4
Insurance Carriers	14.2	14.2	13.9	.0	.3
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	.0	.1
Services	262.8	264.8	256.2	-2.0	6.6
Business Services	55.2	56.1	53.0	-1.0	2.2
Personnel Supply Services	21.3	21.7	20.5	-.4	.9
Computer and Data Processing Services	7.1	7.1	6.6	.0	.6
Amusements, Including Motion Pictures	11.3	13.1	11.4	-1.7	-.1
Health Services	80.5	80.6	79.3	.0	1.2
Nursing and Personal Care Facilities	13.7	13.8	13.4	-.1	.3
Hospitals	43.9	44.0	44.0	-.1	-.1
Legal Services	9.7	9.9	9.5	-.2	.2
Educational Services	18.9	17.1	18.5	1.8	.4
Social Services	14.2	14.2	13.6	.1	.6
Residential Care	4.0	3.9	3.6	.0	.3
Engineering and Management Services	22.6	22.7	21.6	.0	1.0
Engineering and Architectural Services	8.2	8.3	8.0	-.1	.2
Accounting, Auditing, and Bookkeeping	6.7	6.6	6.5	.1	.3
Management and Public Relations	4.9	5.0	4.5	-.1	.4
Government	120.4	117.2	119.2	3.1	1.2
Federal Government	19.6	19.7	20.6	-.1	-1.0
State Government	8.2	7.6	7.8	.6	.3
State Government Education[h]	3.2	2.5	3.0	.7	.2
Local Government	92.6	90.0	90.7	2.6	1.9
Local Government Education	46.9	43.9	47.0	3.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

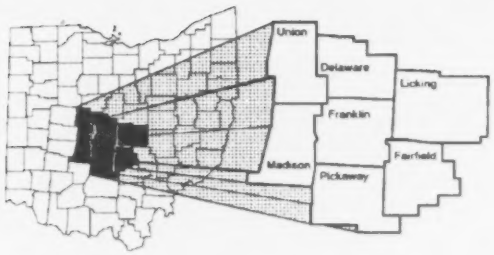
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$530.13	$530.56	$507.94	43.1	43.1	42.9	$12.30	$12.31	$11.84
Durable Goods[f]	564.58	563.29	537.66	43.8	43.7	43.5	12.89	12.89	12.36
Stone, Clay, and Glass Products	513.42	520.45	492.82	43.0	42.8	41.8	11.94	12.16	11.79
Primary Metal Industries	547.58	568.16	532.61	44.7	45.2	44.2	12.25	12.57	12.05
Iron and Steel Foundries	833.34	967.61	854.06	46.4	50.9	47.9	17.96	19.01	17.83
Fabricated Metal Products	578.56	558.99	537.03	44.3	43.4	43.1	13.06	12.88	12.46
Screw Machine Products, Bolts, etc.	518.50	535.73	515.31	42.5	43.1	42.8	12.20	12.43	12.04
Metal Forgings and Stampings	736.89	721.55	666.35	46.2	45.9	44.1	15.95	15.72	15.11
Industrial Machinery and Equipment	563.85	544.00	534.75	45.0	43.8	44.6	12.53	12.42	11.99
Metalworking Machinery	544.45	523.23	552.64	44.3	43.1	45.9	12.29	12.14	12.04
Electronic and Other Electric Equipment	426.77	424.04	415.95	40.8	40.5	40.7	10.46	10.47	10.22
Electrical Industrial Apparatus	446.64	440.54	430.92	42.7	42.4	42.0	10.46	10.39	10.26
Electric Lighting and Wiring Equipment	403.97	405.41	376.94	38.4	38.5	38.7	10.52	10.53	9.74
Transportation Equipment	753.67	778.60	719.43	44.1	45.8	44.3	17.09	17.00	16.24
Motor Vehicles and Equipment	819.50	852.85	801.90	43.8	46.1	45.0	18.71	18.50	17.82
Instruments and Related Products	464.94	470.22	431.39	42.0	42.4	41.6	11.07	11.09	10.37
Measuring and Controlling Devices	470.95	477.22	466.99	42.2	42.8	43.2	11.16	11.15	10.81
Nondurable Goods[g]	448.62	451.36	434.06	41.5	41.6	41.3	10.81	10.85	10.51
Food and Kindred Products	427.25	471.55	449.03	38.7	41.4	41.5	11.04	11.39	10.82
Apparel and Other Textile Products	397.40	385.23	370.75	39.9	38.6	38.7	9.96	9.98	9.58
Paper and Allied Products	534.17	523.61	470.80	45.5	45.1	42.8	11.74	11.61	11.00
Printing and Publishing	404.83	395.20	379.10	38.3	38.0	38.1	10.57	10.40	9.95
Chemicals and Allied Products	557.63	570.28	546.08	42.6	43.4	43.1	13.09	13.14	12.67
Rubber and Miscellaneous Plastics Products	391.30	392.11	387.43	43.0	42.9	43.0	9.10	9.14	9.01
Miscellaneous Plastics Products	397.98	401.45	395.45	43.4	43.4	43.6	9.17	9.25	9.07
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	512.65	530.29	441.78	35.7	36.8	32.7	14.36	14.41	13.51
Communications, Electric, Gas Services	645.93	656.46	625.55	41.7	42.0	41.4	15.49	15.63	15.11
Wholesale Trade	469.66	470.45	453.07	39.5	39.5	39.5	11.89	11.91	11.47
Retail Trade[i]	193.60	193.76	184.95	27.5	28.0	27.4[j]	7.04	6.92	6.75
General Merchandise Stores	197.78	197.97	188.27	29.0	28.9	28.1	6.82	6.85	6.70
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	323.03	323.87	319.67	....	....	....	.....	.....	.....
Depository Institutions	294.09	297.05	296.53	....	....	....	.....	.....	.....
Commercial Banks	286.81	286.68	286.42	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	343.51	344.46	318.37	31.2	31.4	31.0	11.01	10.97	10.27
Nursing and Personal Care Facilities	248.91	247.75	217.06	33.1	33.3	32.3	7.52	7.44	6.72
Hospitals	375.14	376.07	353.60	30.4	30.5	30.3	12.34	12.33	11.67

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Columbus Metropolitan Statistical Area

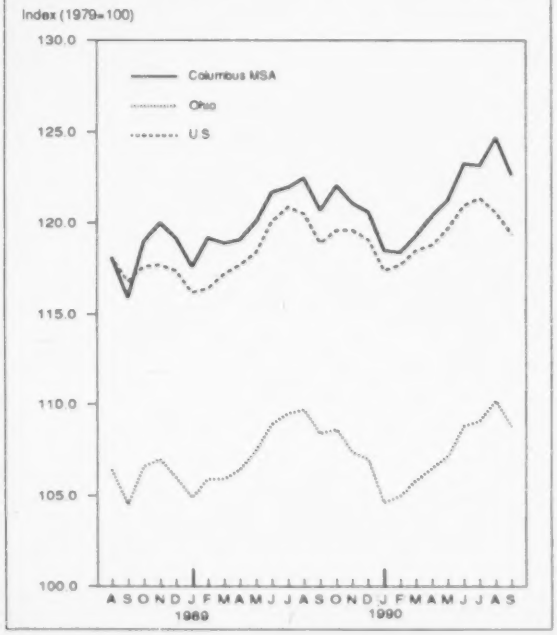


Nonfarm wage and salary employment in the Columbus metropolitan area rose 7,000 above the September level to 737,200 in October 1990. The return of nonteaching personnel in state and local schools and colleges and more business in retail trade added 7,400 jobs in the service-producing sector. Employment in goods-producing industries declined 400 over the month to 139,100. Seasonal layoffs in construction negated modest increases in manufacturing. Nominal gains in electronic and other electric equipment, food and kindred products, printing and publishing, and rubber and miscellaneous plastics products outweighed reductions in instruments and related products and fabricated metal products. Factory production workers averaged $12.61 per hour, up 6 cents from September. Their average workweek of 42.1 hours was 0.1 hours shorter.

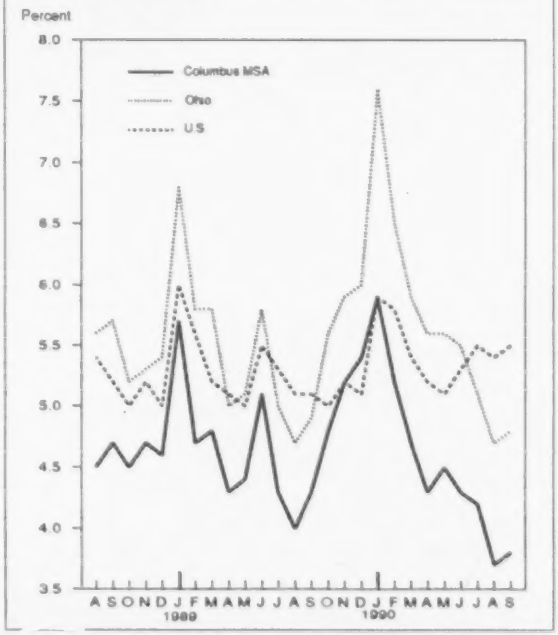
Nonagricultural payroll employment advanced 24,300 between October 1989 and October 1990. Improvements in service-producing industries contributed 94.3 percent of the gain. Leading growth areas were services (+8,300) and retail trade (+7,900). Noteworthy expansion was posted in state and local government, wholesale trade, and finance, insurance, and real estate. Gains in manufacturing and construction raised employment in goods-producing industries 1,500 during the period. Increased production in industrial machinery and equipment, transportation equipment, stone, clay, and glass products, and food and kindred products more than offset cutbacks in instruments and related products and fabricated metal products.

Seasonally adjusted employment in the Columbus area rose 1,000 from September to 729,000 in October 1990 mainly due to increases in manufacturing, retail trade, and government. Since October 1989, total payroll employment advanced 24,000. A major portion of the growth occurred in retail trade (+8,000), services (+8,000), and government (+4,000).

Indexes of Total Employment
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
742.4	711.6	30.8	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
747.6	720.2	27.4	3.7	August	726.4	105.5	70.3	515.41	41.7	12.36
736.8	708.4	28.3	3.8	September	730.2	106.0	70.9	529.61	42.2	12.55
INA	INA	INA	INA	October	737.2	106.4	71.2	530.88	42.1	12.61

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
730	137	30	105	August	593	31	38	153	61	181	128
728	136	30	105	September	592	32	38	152	61	181	128
729	136	30	106	October	593	32	38	153	61	181	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	737.2	730.2	712.9	7.0	24.3
Goods-Producing Industries[e]	139.1	139.5	137.6	-.4	1.5
Construction	31.8	32.6	31.2	-.8	.6
Manufacturing	106.4	106.0	105.5	.4	.8
Durable Goods[f]	66.4	66.4	66.1	.0	.3
Stone, Clay, and Glass Products	10.4	10.4	10.0	.0	.4
Glass and Glassware, Pressed or Blown	3.6	3.6	3.5	.0	.1
Fabricated Metal Products	9.6	9.7	9.9	-.1	-.3
Industrial Machinery and Equipment	9.9	9.9	9.3	.0	.6
Electronic and Other Electric Equipment	9.2	9.1	9.4	.1	-.2
Transportation Equipment	14.5	14.5	14.0	.0	.5
Motor Vehicles and Equipment	13.4	13.4	13.4	.0	.1
Instruments and Related Products	4.4	4.5	4.9	-.2	-.5
Nondurable Goods[g]	40.0	39.6	39.4	.4	.6
Food and Kindred Products	11.2	11.1	10.9	.1	.3
Dairy Products	4.4	4.4	4.0	0	.4
Printing and Publishing	11.1	11.0	10.9	.1	.2
Chemicals and Allied Products	6.8	6.8	6.8	.0	.0
Rubber and Miscellaneous Plastics Products	6.5	6.4	6.3	.1	.2
Service-Producing Industries	598.1	590.7	575.4	7.4	22.7
Transportation and Public Utilities	32.1	32.1	31.2	-.1	.8
Transportation	19.8	19.9	18.9	-.1	1.0
Trucking and Warehousing	14.2	14.3	13.3	.0	1.0
Communications, Electric, Gas Services	12.2	12.2	12.3	.0	-.1
Communications	7.6	7.6	7.8	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.6	38.4	37.4	.2	1.1
Wholesale Trade-Durable Goods	24.7	24.6	24.1	.1	.6
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.2
Machinery, Equipment, and Supplies	5.6	5.5	5.4	.0	.1
Wholesale Trade-Nondurable Goods	13.9	13.7	13.3	.1	.6
Retail Trade	154.1	153.0	146.2	1.1	7.9
General Merchandise Stores	22.0	21.7	21.4	.3	.6
Food Stores	17.2	17.0	16.7	.2	.5
Automotive Dealers and Service Stations	15.1	15.2	14.3	-.1	.8
Finance, Insurance, and Real Estate	60.8	60.9	59.8	-.2	1.0
Finance	24.0	24.0	23.6	.0	.4
Depository Institutions	14.4	14.4	14.3	.0	.1
Commercial Banks	12.4	12.3	11.9	.0	.5
Insurance	27.7	27.7	27.5	.0	.2
Insurance Carriers	23.8	23.8	23.5	.0	.3
Services	182.8	183.1	174.5	-.3	8.3
Business Services	40.2	39.7	37.6	.5	2.6
Personnel Supply Services	15.3	15.0	13.6	.3	1.7
Health Services	47.5	47.4	45.0	.1	2.4
Nursing and Personal Care Facilities	8.2	8.3	8.1	.0	.2
Hospitals	22.0	22.0	20.8	.0	1.2
Legal Services	4.6	4.6	4.5	.0	.1
Educational Services	7.6	7.2	7.8	.4	-.2
Social Services	13.2	13.0	12.7	.2	.5
Engineering and Management Services	18.5	18.5	17.7	.0	.8
Engineering and Architectural Services	4.7	4.8	4.4	.0	.3
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.1	.0	.0
Research and Testing Services	6.2	6.3	6.1	.0	.2
Government	129.8	123.1	126.2	6.7	3.6
Federal Government	15.3	15.4	16.2	-.1	-.8
State Government	57.8	52.4	55.1	5.4	2.6
State Government Education[h]	24.6	19.1	23.1	5.5	1.5
Local Government	56.7	55.3	54.9	1.4	1.8
Local Government Education	34.4	32.8	33.2	1.6	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

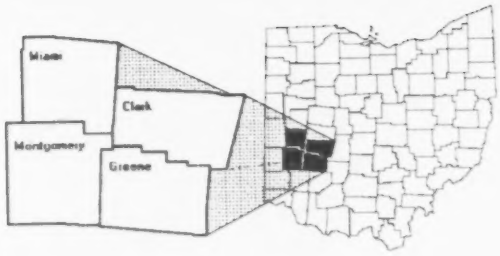
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$530.88	$529.61	$512.02	42.1	42.2	41.9	$12.61	$12.55	$12.22
Durable Goods[f]	550.80	549.98	524.58	42.5	42.7	42.0	12.96	12.88	12.49
Stone, Clay, and Glass Products	535.76	544.10	525.39	43.7	44.2	43.1	12.26	12.31	12.19
Glass and Glassware, Pressed or Blown	478.98	457.32	471.22	42.5	41.2	42.3	11.27	11.10	11.14
Fabricated Metal Products	526.50	528.36	508.23	40.5	40.8	40.4	13.00	12.95	12.58
Industrial Machinery and Equipment	550.47	538.02	486.57	44.5	44.1	41.2	12.37	12.20	11.81
Electronic and Other Electric Equipment	545.67	540.59	511.34	42.3	42.6	42.4	12.90	12.69	12.06
Transportation Equipment	667.06	663.80	649.82	44.5	44.7	44.6	14.99	14.85	14.57
Motor Vehicles and Equipment	663.08	660.96	653.07	44.0	44.3	44.7	15.07	14.92	14.61
Instruments and Related Products	408.10	417.37	402.56	38.5	39.3	39.7	10.60	10.62	10.14
Nondurable Goods[g]	493.07	489.46	484.97	41.4	41.2	41.7	11.91	11.88	11.63
Food and Kindred Products	447.32	447.96	415.75	42.2	42.3	40.8	10.60	10.59	10.19
Dairy Products	603.78	622.93	569.62	43.5	44.4	41.7	13.88	14.03	13.66
Printing and Publishing	591.89	557.39	557.35	41.8	39.7	40.3	14.16	14.04	13.83
Chemicals and Allied Products	657.90	657.71	653.87	43.0	43.1	44.3	15.30	15.26	14.76
Rubber and Miscellaneous Plastics Products	379.63	389.91	400.40	40.3	40.7	43.1	9.42	9.58	9.29
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	437.71	448.64	378.56	33.8	34.3	29.3	12.95	13.08	12.92
Communications, Electric, Gas Services	683.91	683.03	659.43	43.7	43.7	43.7	15.65	15.63	15.09
Communications	595.50	594.71	595.68	39.7	39.7	40.8	15.00	14.98	14.60
Electric, Gas, and Sanitary Services	825.65	827.30	762.30	50.1	50.2	48.4	16.48	16.48	15.75
Wholesale Trade	406.07	409.34	395.78	38.6	38.8	38.5	10.52	10.55	10.28
Retail Trade[f]	183.33	185.09	182.75	27.0	27.3	27.9	6.79	6.78	6.55
General Merchandise Stores	208.88	209.48	203.04	28.0	28.5	28.8	7.46	7.35	7.05
Food Stores	187.76	193.77	188.67	26.9	27.8	26.8	6.98	6.97	7.04
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	463.99	457.04	428.50	....	....	....	.....	.....	.....
Depository Institutions	300.72	295.09	281.67	....	....	....	.....	.....	.....
Commercial Banks	297.77	292.90	279.65	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	238.28	240.35	225.27	32.2	32.7	32.6	7.40	7.35	6.91
Hospitals	403.58	410.90	392.16	34.0	34.5	34.4	11.87	11.91	11.40
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	497.35	490.04	480.03	39.1	38.8	38.9	12.72	12.63	12.34

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

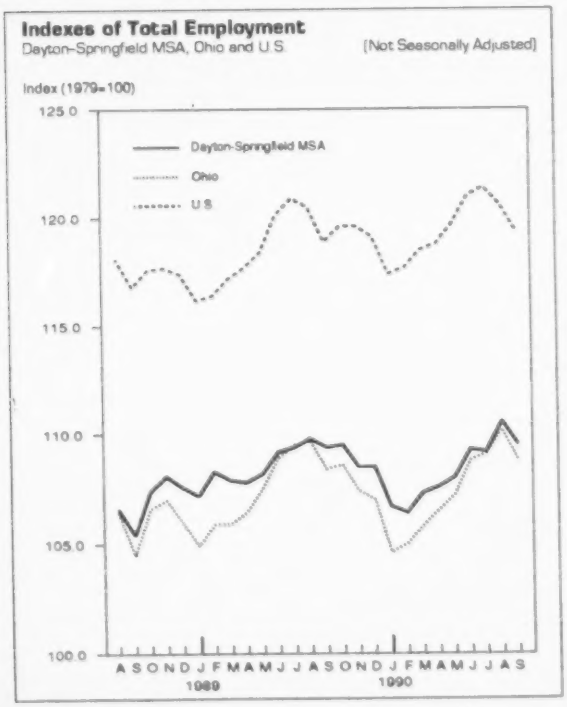
Dayton-Springfield Metropolitan Statistical Area

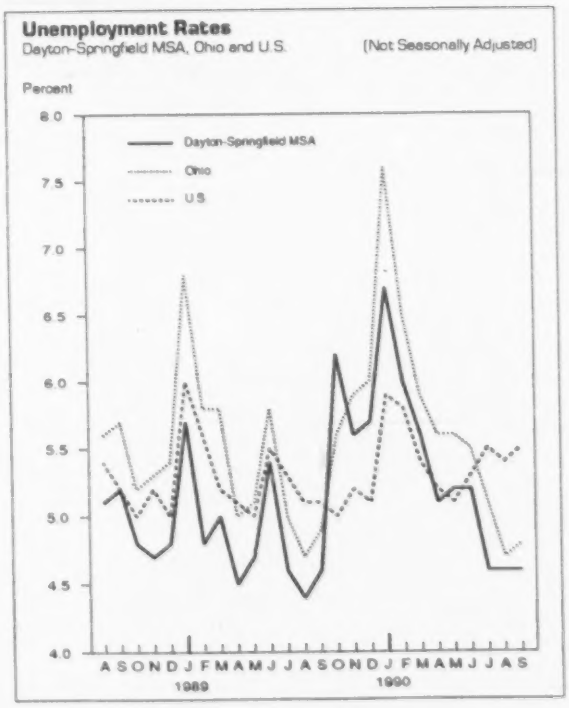


Nonfarm payroll employment in the Dayton-Springfield metropolitan area totaled 462,500 in October 1990, unchanged from the September level. The continued return of nonteaching personnel in local and private schools added 1,000 jobs in the service-producing sector. Cutbacks among manufacturers of durable and nondurable goods, especially transportation equipment and printing and publishing, and seasonal layoffs in construction lowered employment in goods-producing industries 1,000 over the month to 123,200. Factory production worker average hourly earnings were on par with September at $13.69. Their average workweek of 42.7 hours was 0.4 hours shorter.

Nonagricultural wage and salary employment advanced 9,200 between October 1989 and October 1990. Improvements in the service-producing sector contributed 75.0 percent of the gain. Leading growth industries were services, particularly business and health services, retail trade, and local government. Employment in goods-producing industries increased 2,200 above the year-ago level. Temporary shutdowns in manufacturing greatly reduced employment in transportation equipment in October 1989. Growth in paper and allied products partially offset over-the-year production cutbacks in industrial machinery and equipment and rubber and miscellaneous plastics products. Construction employment declined 400.

Seasonally adjusted employment in the Dayton-Springfield area dropped 1,000 from September to 457,000 in October 1990. Reductions were posted in wholesale trade and finance, insurance, and real estate. Over the year, total payroll employment advanced 9,000 mainly due to the recall of manufacturing employees from temporary layoffs in transportation equipment and expansion in services and retail trade.





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
478.5	456.5	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
484.6	462.4	22.2	4.6	August	456.7	104.7	67.4	557.19	41.8	13.33
479.9	457.6	22.3	4.6	September	462.4	104.8	68.0	590.04	43.1	13.69
INA	INA	INA	INA	October	462.5	104.3	67.8	584.56	42.7	13.69

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
460	122	17	104	August	338	19	22	82	18	118	80
458	122	17	104	September	336	19	22	82	18	118	78
457	121	17	104	October	336	19	21	82	17	118	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	462.5	462.4	453.3	.0	9.2
Goods-Producing Industries[e]	123.2	124.2	120.9	-1.0	2.2
Construction	18.5	18.8	18.8	-.4	-.4
Manufacturing	104.3	104.8	101.7	-.6	2.6
Durable Goods[f]	74.2	74.6	72.1	-.4	2.1
Fabricated Metal Products	8.4	8.5	8.3	-.1	.1
Industrial Machinery and Equipment	30.2	30.3	31.3	-.1	-1.0
Metalworking Machinery	8.1	8.0	8.5	.1	-.4
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.9	4.0	.1	-.1
Transportation Equipment	23.0	23.2	19.6	-.2	3.3
Motor Vehicles and Equipment	19.9	20.0	16.5	-.1	3.4
Nondurable Goods[g]	30.0	30.2	29.5	-.2	.5
Food and Kindred Products	2.7	2.7	2.8	.0	-.1
Paper and Allied Products	6.3	6.2	6.0	.1	.4
Printing and Publishing	9.1	9.3	9.1	-.2	.0
Rubber and Miscellaneous Plastics Products	7.6	7.6	7.9	-.1	-.3
Service-Producing Industries	339.3	338.3	332.3	1.0	6.9
Transportation and Public Utilities	18.7	18.8	17.9	-.1	.8
Transportation	12.3	12.4	11.6	-.1	.7
Trucking and Warehousing	6.8	6.9	6.5	.0	.4
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.6	21.6	21.4	.0	.2
Wholesale Trade-Durable Goods	15.0	15.0	14.9	.0	.1
Wholesale Trade-Nondurable Goods	6.6	6.6	6.4	.0	.1
Retail Trade	82.6	82.5	80.9	.1	1.7
General Merchandise Stores	11.6	11.5	11.7	.2	.0
Finance, Insurance, and Real Estate	17.5	17.7	17.7	-.2	-.2
Finance	9.3	9.5	9.5	-.2	-.2
Depository Institutions	7.2	7.3	7.3	-.1	-.1
Insurance	4.4	4.4	4.4	.1	.0
Services	119.7	120.0	116.8	-.2	2.9
Business Services	24.4	24.3	22.7	.1	1.7
Personnel Supply Services	7.4	7.1	6.6	.3	.8
Computer and Data Processing Services	5.6	5.6	5.1	.0	.5
Health Services	39.8	39.9	38.9	.0	1.0
Nursing and Personal Care Facilities	7.2	7.2	7.1	.0	.1
Hospitals	20.3	20.2	19.9	.1	.4
Educational Services	9.0	8.2	9.4	.8	-.4
Social Services	6.0	6.0	6.0	.1	.0
Engineering and Management Services	10.2	10.2	9.9	.0	.3
Research and Testing Services	3.4	3.4	3.3	-.1	.1
Government	79.2	77.7	77.6	1.4	1.6
Federal Government	28.0	28.1	29.2	-.2	-1.2
State Government	7.1	7.0	6.7	.2	.5
State Government Education[h]	4.2	4.0	3.8	.2	.3
Local Government	44.1	42.6	41.8	1.5	2.3
Local Government Education	28.1	26.5	27.0	1.6	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

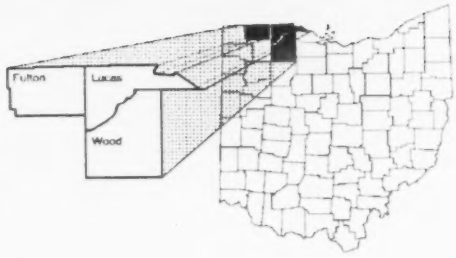
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]	Oct. 1990[p]	Sep. 1990[r]	Oct. 1989[r]
Manufacturing	$584.56	$590.04	$552.12	42.7	43.1	42.8	$13.69	$13.69	$12.90
Durable Goods[f]	611.40	617.48	573.75	43.3	43.7	43.4	14.12	14.13	13.22
Fabricated Metal Products	394.71	400.31	402.41	40.4	41.1	41.4	9.77	9.74	9.72
Industrial Machinery and Equipment	628.76	642.24	611.39	44.0	44.6	44.4	14.29	14.40	13.77
Metalworking Machinery	598.07	627.75	617.74	44.9	46.5	47.3	13.32	13.50	13.06
General Industrial Machinery	569.49	546.62	464.80	46.3	45.4	41.5	12.30	12.04	11.20
Electronic and Other Electric Equipment	380.98	381.44	353.79	43.0	43.1	40.9	8.86	8.85	8.65
Transportation Equipment	774.81	778.18	738.92	44.3	44.8	44.3	17.49	17.37	16.68
Motor Vehicles and Equipment	783.22	790.69	749.56	44.2	44.9	44.3	17.72	17.61	16.92
Nondurable Goods[g]	507.17	512.94	493.61	41.0	41.5	41.1	12.37	12.36	12.01
Food and Kindred Products	345.93	337.35	353.74	39.4	39.0	40.8	8.78	8.65	8.67
Paper and Allied Products	526.19	517.50	486.58	45.4	45.0	43.6	11.59	11.50	11.16
Printing and Publishing	457.46	470.05	470.37	38.9	39.7	40.1	11.76	11.84	11.73
Rubber and Miscellaneous Plastics Products	633.03	654.47	630.83	39.1	40.3	39.6	16.19	16.24	15.93
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	567.20	568.63	570.88	40.0	40.3	41.1	14.18	14.11	13.89
Communications	573.60	576.29	574.08	40.0	40.3	40.6	14.34	14.30	14.14
Wholesale Trade	395.69	394.35	398.80	39.1	39.2	40.0	10.12	10.06	9.97
Retail Trade[i]	179.00	178.79	169.83	28.1	28.2	28.4	6.37	6.34	5.98
General Merchandise Stores	189.16	189.28	175.90	27.9	28.0	27.7	6.78	6.76	6.35
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	280.60	286.00	274.17	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	413.31	424.55	404.54	34.5	35.0	35.3	11.98	12.13	11.46

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

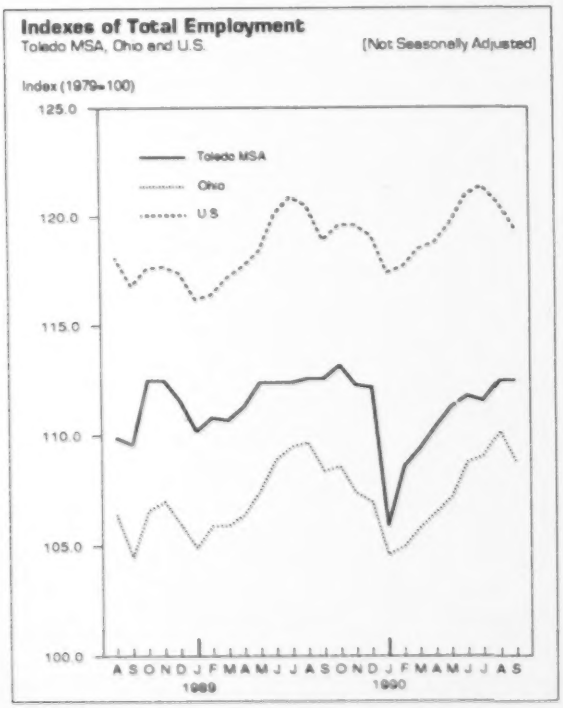
Toledo Metropolitan Statistical Area

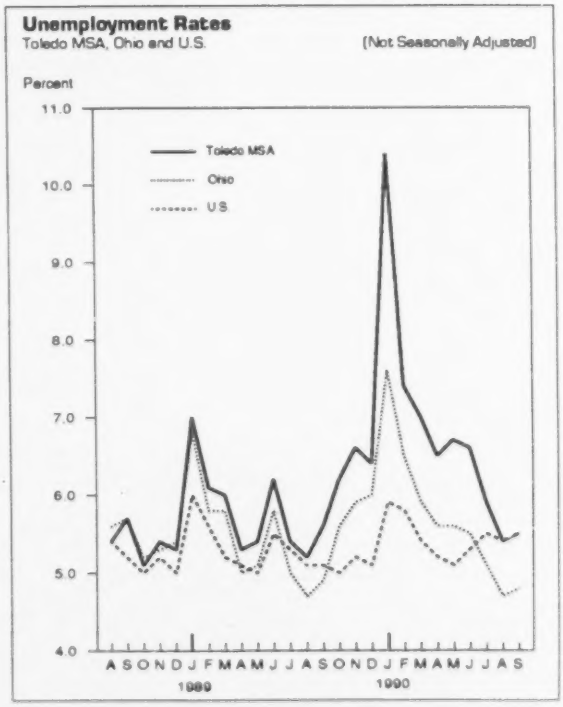


In the Toledo metropolitan area, nonfarm payroll employment rose 800 above the September level to 301,600 in October 1990. Employment in service-producing industries increased 2,000. The continued return of nonteaching personnel in state and local schools and colleges overshadowed downturns in services and retail trade. Scattered cutbacks in manufacturing, especially fabricated metal products and food and kindred products, and seasonal layoffs in construction lowered employment in goods-producing industries 1,200 over the month to 73,300. Factory production workers averaged $13.67 per hour, down 9 cents from September. Their average workweek of 43.7 hours was 0.7 hours shorter.

Nonagricultural wage and salary employment advanced 3,500 between October 1989 and October 1990. The service-producing sector added 3,800 employees. A major portion of the improvement occurred in services (+2,100). Modest gains were posted in retail trade, wholesale trade, and transportation and public utilities. Employment in goods-producing industries declined 300 over the year. Reductions among manufacturers of nondurable and durable goods, particularly stone, clay, and glass products and transportation equipment, outweighed nominal growth in construction employment.

Seasonally adjusted employment in the Toledo area dropped 1,000 from September to 297,000 in October 1990. Declines in construction and manufacturing more than offset an increase in transportation and public utilities. Since October 1989, total payroll employment advanced 4,000. Growth in services, retail trade, and transportation and public utilities outweighed a reduction in manufacturing.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.3	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
316.8	298.2	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46
317.9	300.7	17.2	5.4	August	294.8	60.0	43.2	584.87	43.1	13.57
318.0	300.5	17.5	5.5	September	300.8	60.7	43.9	610.94	44.4	13.76
INA	INA	INA	INA	October	301.6	59.6	43.0	597.38	43.7	13.67

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	43
298	72	13	60	September	225	14	16	60	12	79	43
297	72	12	59	October	225	15	16	60	12	79	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	301.6	300.8	298.1	.8	3.5
Goods-Producing Industries[e]	73.3	74.5	73.6	-1.2	-.3
Construction	13.4	13.6	13.3	-.2	.1
Manufacturing	59.6	60.7	60.1	-1.0	-.4
Durable Goods[f]	44.4	45.0	44.4	-.6	.0
Stone, Clay, and Glass Products	7.7	7.9	8.0	-.1	-.2
Primary Metal Industries	3.6	3.7	3.5	-.1	.1
Fabricated Metal Products	6.9	7.2	6.9	-.3	.0
Metal Forgings and Stampings	2.3	2.5	2.6	-.2	-.3
Industrial Machinery and Equipment	5.8	5.8	5.7	-.1	.0
Transportation Equipment	13.6	13.6	13.9	.0	-.2
Nondurable Goods[g]	15.2	15.7	15.6	-.4	-.4
Food and Kindred Products	3.9	4.2	3.8	-.3	.1
Rubber and Miscellaneous Plastics Products	4.1	4.2	4.3	.0	-.1
Service-Producing Industries	228.2	226.2	224.4	2.0	3.8
Transportation and Public Utilities	14.8	14.7	14.5	.1	.3
Transportation	9.8	9.7	9.6	.1	.2
Communications, Electric, Gas Services	5.0	5.0	4.9	.0	.1
Wholesale Trade	16.5	16.3	16.1	.1	.4
Wholesale Trade-Durable Goods	10.9	10.9	10.6	.1	.3
Wholesale Trade-Nondurable Goods	5.6	5.5	5.5	.1	.1
Retail Trade	60.4	60.5	59.6	-.2	.8
General Merchandise Stores	8.3	8.2	8.6	.1	-.3
Finance, Insurance, and Real Estate	12.1	12.1	12.1	.0	.0
Finance	6.3	6.3	6.3	.0	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	79.4	80.0	77.3	-.6	2.1
Business Services	13.9	14.2	13.7	-.3	.2
Personnel Supply Services	5.4	5.5	5.2	-.2	.1
Health Services	28.1	28.1	27.6	.0	.4
Nursing and Personal Care Facilities	4.1	4.2	4.1	-.1	.0
Hospitals	15.2	15.2	15.1	.0	.1
Engineering and Management Services	6.6	6.6	6.0	.0	.6
Government	45.0	42.6	44.9	2.5	.1
Federal Government	2.6	2.6	2.7	.0	-.1
State Government	17.5	15.7	17.4	1.8	.1
State Government Education[h]	13.1	11.4	13.2	1.8	.0
Local Government	24.9	24.3	24.9	.7	.1
Local Government Education	14.7	14.1	14.5	.6	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

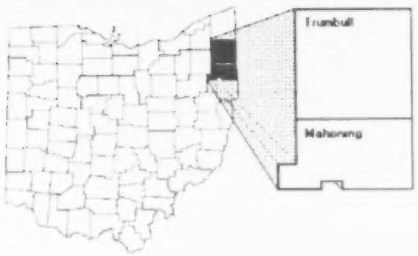
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$597.38	$610.94	$580.32	43.7	44.4	43.6	$13.67	$13.76	$13.31
Durable Goods[f]	612.48	631.68	589.47	44.0	44.8	43.6	13.92	14.10	13.52
Stone, Clay, and Glass Products	537.63	539.65	554.62	42.5	43.0	44.8	12.65	12.55	12.38
Primary Metal Industries	583.68	521.85	490.50	48.0	44.3	43.6	12.16	11.78	11.25
Fabricated Metal Products	532.65	530.78	470.11	45.8	45.6	42.2	11.63	11.64	11.14
Metal Forgings and Stampings	720.15	704.01	633.15	44.1	43.7	41.6	16.33	16.11	15.22
Industrial Machinery and Equipment	503.52	500.64	501.30	42.1	42.0	42.7	11.96	11.92	11.74
Transportation Equipment	781.70	852.37	761.40	43.5	46.4	44.5	17.97	18.37	17.11
Nondurable Goods[g]	548.27	550.31	544.24	42.7	43.4	43.4	12.84	12.68	12.54
Food and Kindred Products	656.89	640.32	593.97	44.9	46.4	43.9	14.63	13.80	13.53
Rubber and Miscellaneous Plastics Products	374.92	379.81	366.21	41.2	41.6	41.9	9.10	9.13	8.74
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	633.70	635.39	616.93	40.7	40.6	41.6	15.57	15.65	14.83
Wholesale Trade	418.40	420.49	418.54	40.0	40.2	40.4	10.46	10.46	10.36
Retail Trade[i]	168.39	166.16	165.50	26.9	26.8	27.4	6.26	6.20	6.04
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	353.71	352.32	358.49	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

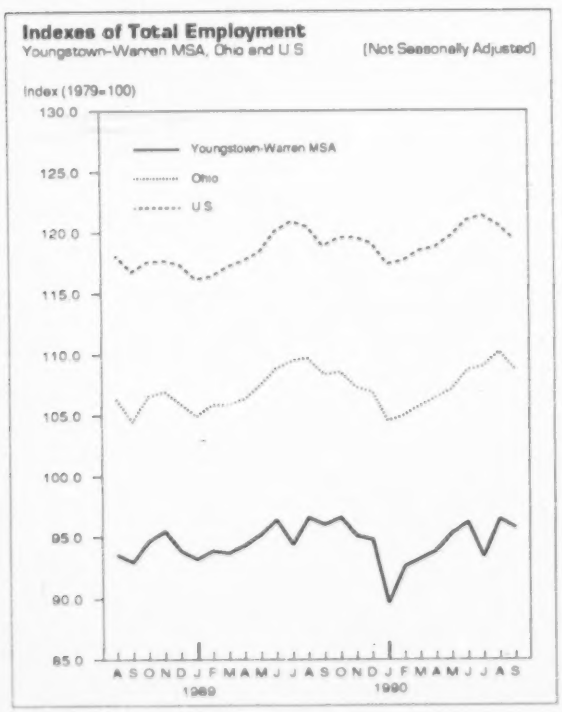
Youngstown-Warren Metropolitan Statistical Area

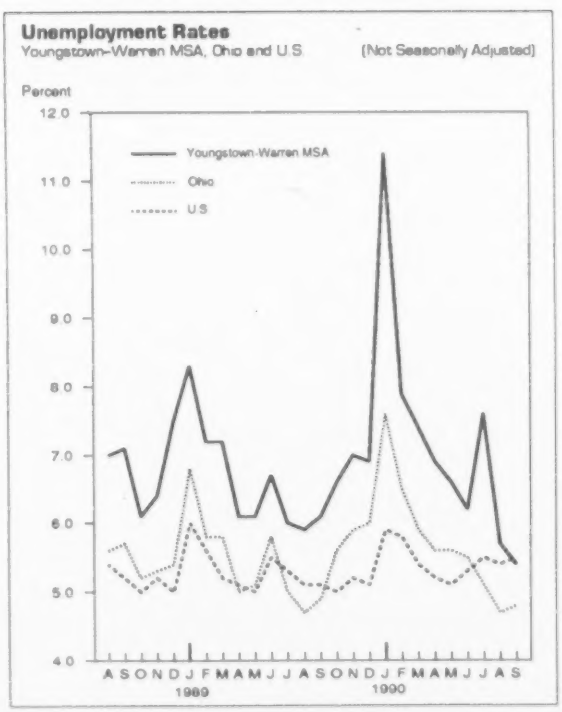


Nonfarm payroll employment in the Youngstown-Warren metropolitan area increased 500 above the September level to 204,400 in October 1990. Employment in service-producing industries rose 1,200. The continued return of nonteaching personnel in state and local schools and colleges outweighed declines in services. The number of jobs in goods-producing industries dropped 700 over the month to 57,900 mainly due to seasonal layoffs in construction and reductions in manufacturing. Production cutbacks in primary metal industries and fabricated metal products more than offset gains in transportation equipment and nondurable goods. Factory production workers averaged $15.23 per hour, down fractionally from September. Their average workweek of 43.5 hours was 1.2 hours shorter.

Nonagricultural wage and salary employment advanced 2,200 between October 1989 and October 1990. The workforce in the service-producing sector added 3,300 jobs. Leading areas of expansion were services (+1,400) and retail trade (+1,200). Noteworthy growth was recorded in wholesale trade. Over-the-year reductions in durable-goods manufacturing lowered employment in goods-producing industries 1,100. Declines were posted in primary metal industries, fabricated metal products, industrial machinery and equipment, and transportation equipment.

Seasonally adjusted employment in the Youngstown-Warren area totaled 202,000 in October 1990, unchanged from September, as scattered declines in goods-producing industries counterbalanced growth in retail trade. Since October 1989, total payroll employment advanced 2,000. Expansion in wholesale trade, retail trade, and services outweighed a decrease in manufacturing.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$ 9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.3	205.3	17.0	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
225.2	212.3	12.8	5.7	August	201.1	48.4	36.0	605.48	41.7	14.52
222.5	210.6	11.9	5.4	September	203.9	49.0	36.8	682.12	44.7	15.26
INA	INA	INA	INA	October	204.4	48.7	36.5	662.51	43.5	15.23

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25
202	57	8	48	September	145	8	12	43	9	48	25
202	56	8	48	October	146	8	12	44	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	204.4	203.9	202.2	.5	2.2
Goods-Producing Industries[e]	57.9	58.6	59.0	-.7	-1.1
Construction	8.7	9.1	8.6	-.4	.1
Manufacturing	48.7	49.0	50.0	-.3	-1.3
Durable Goods[f]	43.4	43.8	44.7	-.4	-1.3
Primary Metal Industries	18.0	18.5	18.4	-.4	-.4
Blast Furnace and Basic Steel Products	6.0	6.0	5.8	-.1	.2
Fabricated Metal Products	7.3	7.4	7.5	-.1	-.2
Metal Forgings and Stampings	3.9	3.9	3.9	.0	.0
Industrial Machinery and Equipment	4.1	4.2	4.3	.0	-.1
Transportation Equipment	9.1	8.9	9.2	.2	-.1
Nondurable Goods[g]	5.3	5.2	5.3	.1	.0
Service-Producing Industries	146.5	145.3	143.2	1.2	3.3
Transportation and Public Utilities	7.9	8.0	7.9	-.1	.1
Wholesale Trade	11.9	11.8	11.2	.1	.7
Wholesale Trade-Durable Goods	7.3	7.2	7.1	.1	.2
Wholesale Trade-Nondurable Goods	4.6	4.6	4.2	.0	.4
Retail Trade	43.9	43.8	42.7	.1	1.2
General Merchandise Stores	5.3	5.2	5.4	.1	-.1
Finance, Insurance, and Real Estate	8.6	8.7	8.7	.0	-.1
Finance	4.7	4.7	4.7	.0	.0
Services	48.8	49.2	47.4	-.5	1.4
Health Services	21.5	21.4	21.3	.1	.2
Nursing and Personal Care Facilities	4.9	4.9	4.8	.0	.1
Hospitals	10.8	10.8	10.8	.0	.0
Government	25.3	23.8	25.3	1.6	.1
State Government	4.5	3.4	4.6	1.1	-.1
State Government Education[h]	3.0	1.9	3.1	1.1	-.1
Local Government	19.0	18.4	18.6	.5	.3
Local Government Education	12.3	11.7	12.2	.6	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$662.51	$682.12	$617.46	43.5	44.7	43.3	$15.23	$15.26	$14.26
Durable Goods[f]	683.47	703.35	637.87	43.7	45.0	43.6	15.64	15.63	14.63
Primary Metal Industries	685.10	748.65	684.56	42.5	45.4	43.0	16.12	16.49	15.92
Blast Furnace and Basic Steel Products	681.29	760.21	642.18	46.6	51.4	46.3	14.62	14.79	13.87
Fabricated Metal Products	708.86	687.96	626.54	46.0	45.5	45.5	15.41	15.12	13.77
Metal Forgings and Stampings	906.69	883.87	724.58	49.6	49.6	45.6	18.28	17.82	15.89
Industrial Machinery and Equipment	532.98	529.94	522.28	42.3	42.6	42.6	12.60	12.44	12.26
Transportation Equipment	822.49	819.55	721.63	46.6	47.4	45.5	17.65	17.29	15.86
Nondurable Goods[g]	443.81	457.18	410.06	41.4	41.6	40.4	10.72	10.99	10.15
Wholesale Trade	377.47	385.30	382.39	38.4	38.3	38.9	9.83	10.06	9.83
Retail Trade[i]	181.11	179.91	183.21	27.4	27.3	28.1	6.61	6.59	6.52
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	234.41	230.07	218.73	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area totaled 97,800 in October 1990, up 200 from the September level. The return of nonteaching personnel in state and local schools and colleges outweighed declines in services and retail trade to raise employment in service-producing industries 500. Seasonal decreases in construction and mining lowered employment in goods-producing industries 300 to 27,500. Manufacturing production workers averaged $14.34 per hour, up 11 cents from September. Their average workweek was unchanged at 46.1 hours. Nonfarm wage and salary employment advanced 1,600 between October 1989 and October 1990. The service-producing sector added 2,300 jobs primarily due to gains in local and state government, retail trade, and services. Employment in goods-producing industries declined 700 over the year as production cutbacks in manufacturing, especially paper and allied products and primary metal industries, outweighed growth in construction and mining.

Lima MSA
Nonfarm wage and salary employment in the Lima metropolitan area dropped 700 from the September level to 75,000 in October 1990. Reductions among manufacturers of durable goods, especially transportation equipment, and nominal declines in construction and mining lowered employment in goods-producing industries 400 over the month to 26,400. The service-producing sector lost 300 jobs. Declines in retail trade and finance, insurance, and real estate outweighed increases in nonteaching personnel in local schools. Manufacturing production workers averaged $13.31 per hour, down 7 cents from September. Their average workweek was 0.6 hours shorter at 42.2 hours. Nonagricultural payroll employment advanced 2,500 between October 1989 and October 1990. Service-producing industries contributed 92.0 percent of the gain. Leading areas of growth were services (+1,300) and retail trade (+700). Employment in goods-producing industries rose 200 over the year. Expansion in construction and mining more than offset declines in manufacturing, particularly industrial machinery and equipment. Employment in fabricated metal products and food and kindred products increased during the period.

Lorain–Elyria PMSA
In the Lorain-Elyria metropolitan area, total nonagricultural payroll employment rose 2,500 from the September level to 94,100 in October 1990. Employment in the goods-producing sector increased 2,600 to 32,800 primarily due to the recall of workers from temporary layoffs in manufacturing, especially in transportation equipment. Service-producing industries decreased 100 as declines in services, retail trade, and transportation and public utilities outweighed increases in nonteaching personnel in local schools. Manufacturing production workers averaged $13.51 per hour, up 41 cents from September. Their average workweek was 42.7 hours, down 0.4 hours. Nonfarm wage and salary employment advanced 3,600 between October 1989 and October 1990. Employment in goods-producing industries increased 2,200 above the year-ago level. Temporary shutdowns in manufacturing significantly reduced the workforce in transportation equipment in October 1989. Gains in retail trade and local government raised employment in service-producing industries 1,400 over the year.

Mansfield MSA
Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 59,500 in October 1990, down 300 from September. Declines in manufacturing and construction and mining lowered employment in goods-producing industries 100 to 20,000. Decreases in fabricated metal products and nondurable-goods manufacturing outweighed nominal growth in electronic and other electric equipment. The service-producing sector lost 100 jobs. Reductions in retail trade negated increases in nonteaching personnel in local schools. Manufacturing production workers averaged $14.08 per hour, up fractionally from September. Their average workweek was 0.5 hours shorter at 42.2 hours. Nonagricultural payroll employment fell 1,100 between October 1989 and October 1990. The workforce in goods-producing industries dropped 1,200 due to production cutbacks among producers of durable goods, especially electronic and other electric equipment and fabricated metal products. Employment in service-producing industries was unchanged over the year. Gains in retail trade offset declines in local government and finance, insurance, and real estate.

Steubenville–Weirton MSA
In the Steubenville-Weirton metropolitan area, nonagricultural payroll employment rose 300 from the September level to 53,800 in October 1990. The service-producing sector added 300 jobs. Gains in services and local schools outweighed declines in transportation and public utilities. Employment in goods-producing industries, at 20,600, was unchanged over the month. Slight reductions in durable-goods manufacturing, particularly primary metal industries, counterbalanced nominal growth in nondurable-goods manufacturing. Factory production workers averaged $11.50 per hour, down 19 cents from September. Their average workweek was 0.4 hours shorter at 43.0 hours. Nonfarm wage and salary employment advanced 1,000 between October 1989 and October 1990. Growth was concentrated in service-producing industries. Notable gains occurred in services, especially health services, local government, and retail trade. Employment in goods-producing industries was unchanged over the year. Production cutbacks among manufacturers of durable goods, particularly primary metal industries, negated expansion in construction.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	132.3	131.6	133.1	.8	-.8
Employment	125.8	125.1	126.1	.7	-.3
Unemployment	6.5	6.5	7.0	.0	-.5
Unemployment Rate	4.9	4.9	5.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	97.8	97.6	96.2	.2	1.6
Goods–Producing Industries	27.5	27.8	28.2	-.3	-.7
Construction and Mining	6.2	6.5	5.8	-.3	.4
Manufacturing	21.3	21.4	22.4	.0	-1.0
Durable Goods	14.7	14.7	15.5	-.1	-.8
Primary Metal Industries	6.9	6.9	7.1	.0	-.2
Fabricated Metal Products	2.4	2.4	2.5	.0	-.1
Industrial Machinery and Equipment	2.4	2.4	2.5	.0	-.1
Nondurable Goods	6.6	6.6	6.9	.0	-.2
Paper and Allied Products	4.6	4.7	4.9	.0	-.3
Paper Mills	3.4	3.4	3.7	.0	-.3
Service–Producing Industries	70.3	69.8	68.0	.5	2.3
Transportation and Public Utilities	3.5	3.6	3.4	.0	.2
Wholesale Trade	5.8	5.7	5.6	.0	.1
Wholesale Trade–Durable Goods	4.0	3.9	3.8	.0	.1
Retail Trade	18.0	18.2	17.4	-.2	.7
Food Stores	3.0	3.0	3.0	.0	.0
Finance, Insurance, and Real Estate	4.6	4.6	4.7	.0	-.1
Services	19.6	20.0	19.1	-.4	.6
Health Services	8.8	8.6	8.2	.2	.6
Government	18.8	17.7	17.9	1.1	.9
State Government (Includes Education)	7.8	7.0	7.5	.9	.3
Local Government	10.4	10.1	9.7	.2	.6
Local Government Education	6.9	6.6	6.3	.2	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[e]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[e]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[e]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$661.07	$656.00	$587.85	46.1	46.1	44.5	$14.34	$14.23	$13.21
Durable Goods	688.83	681.15	593.63	46.7	46.4	44.4	14.75	14.68	13.37
Primary Metal Industries	800.54	782.46	641.52	49.6	48.6	44.0	16.14	16.10	14.58
Fabricated Metal Products	542.71	561.13	551.89	42.3	43.6	45.2	12.83	12.87	12.21
Industrial Machinery and Equipment	606.85	624.78	656.86	45.8	46.8	49.8	13.25	13.35	13.19
Nondurable Goods	593.17	591.62	577.35	44.7	45.3	45.0	13.27	13.06	12.83
Paper and Allied Products	624.16	633.65	606.14	46.2	47.5	46.2	13.51	13.34	13.12
Paper Mills	600.11	621.85	610.58	43.9	46.2	45.6	13.67	13.46	13.39
Wholesale Trade	426.59	450.05	442.04	40.9	42.1	42.3	10.43	10.69	10.45
Retail Trade[f]	176.61	179.77	167.01	27.9	28.4	28.5	6.33	6.33	5.86

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Money payments only; tips not included. [f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	79.2	80.5	78.8	-1.3	.4
Employment	74.5	76.2	74.6	-1.7	-.1
Unemployment	4.7	4.3	4.2	.4	.5
Unemployment Rate	6.0	5.3	5.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[c] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	75.0	75.7	72.5	-.7	2.5
Goods-Producing Industries	26.4	26.9	26.3	-.4	.2
Construction and Mining	3.7	3.8	3.4	-.1	.3
Manufacturing	22.8	23.1	22.9	-.3	-.1
Durable Goods	16.3	16.6	16.6	-.3	-.3
Fabricated Metal Products	2.9	2.9	2.8	.0	.2
Industrial Machinery and Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	6.9	7.1	6.8	-.1	.1
Motor Vehicles and Equipment	3.3	3.4	2.9	-.1	.5
Nondurable Goods	6.5	6.5	6.3	.0	.2
Food and Kindred Products	2.0	2.0	1.8	.0	.2
Rubber and Miscellaneous Plastics Products	2.2	2.2	2.1	.0	.1
Service-Producing Industries	48.6	48.8	46.2	-.3	2.3
Transportation and Public Utilities	3.3	3.3	3.1	.0	.2
Wholesale Trade	3.5	3.5	3.4	.0	.0
Retail Trade	14.7	15.0	14.0	-.3	.7
General Merchandise Stores	2.3	2.2	2.0	.1	.2
Finance, Insurance, and Real Estate	2.1	2.2	2.1	-.1	.0
Services	15.5	15.6	14.3	.0	1.3
Health Services	6.8	6.7	6.3	.1	.5
Hospitals	3.2	3.2	3.0	.0	.2
Government	9.5	9.3	9.4	.2	.1
Local Government	7.0	7.0	7.0	.1	.0
Local Government Education	4.3	4.2	4.2	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$561.68	$572.66	$556.40	42.2	42.8	42.8	$13.31	$13.38	$13.00
Durable Goods	563.92	566.53	545.28	42.4	42.5	42.6	13.30	13.33	12.80
Fabricated Metal Products	376.82	389.48	366.33	41.5	42.8	41.3	9.08	9.10	8.87
Industrial Machinery and Equipment	483.72	466.09	481.63	41.7	40.6	41.5	11.60	11.48	11.69
Transportation Equipment	727.76	731.62	680.12	44.0	44.1	43.1	16.54	16.59	15.78
Motor Vehicles and Equipment	809.86	815.24	781.58	45.6	45.8	45.6	17.76	17.80	17.14
Nondurable Goods	555.36	589.04	587.15	41.6	43.6	43.3	13.35	13.51	13.56
Food and Kindred Products	378.02	413.91	354.22	41.0	43.8	39.8	9.22	9.45	8.90
Rubber and Miscellaneous Plastics Products	625.07	664.95	587.70	44.3	46.5	45.0	14.11	14.30	13.06
Wholesale Trade	370.36	367.63	375.38	38.3	37.9	38.5	9.67	9.70	9.75
Retail Trade[f]	181.07	187.52	189.03	29.3	30.1	30.1	6.18	6.23	6.28
General Merchandise Stores	178.01	180.34	166.46	28.3	28.4	27.2	6.29	6.35	6.12

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	118.6	121.9	114.9	-3.3	3.7
Employment	111.2	111.1	108.2	.1	3.0
Unemployment	7.4	10.8	6.7	-3.4	.7
Unemployment Rate	6.2	8.9	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	94.1	91.6	90.5	2.5	3.6
Goods–Producing Industries	32.8	30.2	30.7	2.6	2.2
Construction and Mining	4.5	4.6	4.5	-.1	.0
Manufacturing	28.4	25.6	26.2	2.7	2.2
Durable Goods	23.4	20.8	21.6	2.6	1.8
Primary Metal Industries	4.3	4.4	4.4	.0	-.1
Fabricated Metal Products	4.1	4.1	4.3	.0	-.2
Transportation Equipment	7.6	5.0	5.3	2.6	2.4
Nondurable Goods	5.0	4.9	4.7	.1	.4
Service–Producing Industries	61.3	61.4	59.8	-.1	1.4
Transportation and Public Utilities	3.5	3.6	3.4	-.1	.1
Wholesale Trade	2.5	2.4	2.4	.0	.1
Retail Trade	17.5	17.6	16.8	-.2	.7
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	20.7	21.2	20.7	-.5	.0
Health Services	8.7	8.8	8.4	-.2	.2
Hospitals	4.1	4.3	4.0	-.3	.0
Government	13.8	13.2	13.3	.6	.5
Local Government	11.8	11.1	11.3	.7	.4
Local Government Education	8.0	7.2	7.6	.7	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$576.88	$564.61	$532.57	42.7	43.1	42.1	$13.51	$13.10	$12.65
Durable Goods	610.53	601.87	556.71	43.3	43.9	42.4	14.10	13.71	13.13
Primary Metal Industries	692.48	694.43	611.01	46.6	46.7	43.8	14.86	14.87	13.95
Fabricated Metal Products	442.95	429.57	413.88	43.9	43.0	42.8	10.09	9.99	9.67
Transportation Equipment	695.12	711.90	656.87	41.9	42.4	40.2	16.59	16.79	16.34
Nondurable Goods	398.56	393.42	409.41	39.5	39.5	40.9	10.09	9.96	10.01
Wholesale Trade	365.93	365.96	362.70	38.6	38.2	38.3	9.48	9.58	9.47
Retail Trade[f]	163.65	163.68	161.92	26.1	26.4	26.2	6.27	6.20	6.18

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.6	65.8	66.2	-1.2	-1.6
Employment	59.8	61.3	61.9	-1.5	-2.1
Unemployment	4.7	4.5	4.3	.2	.4
Unemployment Rate	7.3	6.8	6.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	59.5	59.8	60.6	-.3	-1.1
Goods-Producing Industries	20.0	20.2	21.2	-.1	-1.2
Construction and Mining	2.3	2.4	2.2	-.1	.1
Manufacturing	17.7	17.8	19.0	-.1	-1.3
Durable Goods	15.7	15.7	16.9	.0	-1.2
Fabricated Metal Products	5.3	5.4	5.5	-.1	-.2
Electronic and Other Electric Equipment	3.0	2.9	3.4	.1	-.5
Nondurable Goods	2.0	2.1	2.1	-.1	.0
Service-Producing Industries	39.5	39.6	39.5	-.1	.0
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	12.2	12.5	11.7	-.3	.4
Finance, Insurance, and Real Estate	2.3	2.4	2.5	.0	-.1
Services	12.7	12.7	12.6	.0	.1
Health Services	4.5	4.4	4.4	.0	.0
Government	7.1	6.9	7.5	.3	-.3
Local Government	5.4	5.2	5.7	.2	-.3
Local Government Education	3.9	3.7	4.0	.3	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$594.18	$600.36	$539.14	42.2	42.7	41.6	$14.08	$14.06	$12.96
Durable Goods	616.56	623.66	561.08	42.0	42.6	41.5	14.68	14.64	13.52
Fabricated Metal Products	751.08	775.68	703.90	41.2	43.7	41.7	18.23	17.75	16.88
Electronic and Other Electric Equipment	458.43	451.88	451.26	41.6	40.6	41.4	11.02	11.13	10.90
Nondurable Goods	395.42	403.79	346.96	43.5	43.7	43.1	9.09	9.24	8.05
Wholesale Trade	337.31	330.42	323.47	40.3	40.1	39.4	8.37	8.24	8.21
Retail Trade[i]	170.18	171.17	158.12	26.8	27.3	26.8	6.35	6.27	5.90

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Sep. 1990[b]	Aug. 1990[c]	Sep. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.0	57.7	56.6	-.7	.5
Employment	53.5	54.4	53.0	-.9	.5
Unemployment	3.5	3.3	3.6	.2	-.1
Unemployment Rate	6.2	5.7	6.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Total	53.8	53.5	52.8	.3	1.0
Goods–Producing Industries	20.6	20.6	20.5	.0	.0
Mining	1.0	1.0	1.0	.0	.0
Construction	2.2	2.2	1.8	.0	.4
Manufacturing	17.4	17.4	17.8	.0	-.3
Durable Goods	15.6	15.7	16.2	-.1	-.6
Primary Metal Industries	12.4	12.5	12.9	-.1	-.5
Nondurable Goods	1.8	1.7	1.6	.1	.2
Service–Producing Industries	33.2	32.9	32.2	.3	1.0
Transportation and Public Utilities	3.4	3.4	3.3	-.1	.0
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.5	9.5	9.3	.0	.2
General Merchandise Stores	1.8	1.8	1.8	.1	.0
Finance, Insurance, and Real Estate	1.6	1.7	1.7	.0	.0
Services	11.1	10.9	10.6	.2	.5
Health Services	4.7	4.8	4.5	-.1	.2
Hospitals	2.5	2.5	2.4	.0	.0
Government	6.2	6.0	5.9	.2	.3
Local Government	5.4	5.2	5.1	.2	.3
Local Government Education	3.4	3.2	3.3	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]
Manufacturing	$494.50	$507.35	$519.39	43.0	43.4	43.5	$11.50	$11.69	$11.94
Durable Goods	521.22	535.02	548.47	43.8	44.4	44.7	11.90	12.05	12.27
Primary Metal Industries	554.73	571.03	577.03	44.7	45.5	45.4	12.41	12.55	12.71
Nondurable Goods	212.38	190.80	176.39	34.2	31.8	29.3	6.21	6.00	6.02
Wholesale Trade	333.78	337.45	322.94	39.5	39.7	38.4	8.45	8.50	8.41
Retail Trade[f]	169.01	166.04	165.25	26.7	27.4	28.2	6.33	6.06	5.86

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

Labor Surplus Areas in Ohio

Labor Surplus Area
Designated by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1990 through September 30, 1991. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1988 through December 1989 must be at least 6.6 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 6.6 percent.

Questions about Labor Surplus Areas may be directed to: Brian E. Baker, Chief, Labor Force Reports, OBES - LMI Division, 145 S. Front St., Columbus, OH 43215, phone (614) 644-2689, or to one of the Labor Market Analysts in the following areas:

Akron/Canton	Erich Hetzel	(216) 434-2141
Toledo	Don Wonnell	(419) 865-7248
Cincinnati	Gary Flesch	(513) 852-3180
Cleveland	Thomas Buescher	(216) 888-6900
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald Curry	(216) 744-5201

Labor Surplus Areas in Ohio

Cities

Akron
Barberton
Canton
Cleveland
Dayton
East Cleveland
Elyria
Hamilton
Lancaster
Lima
Lorain
Mansfield
Marion
Massillon
Middletown
Newark
Toledo
Warren
Youngstown
Zanesville

Counties

Adams
Ashtabula
Belmont
Brown
Carroll
Crawford
Fayette
Gallia
Guernsey
Hardin
Harrison
Highland
Hocking
Huron
Jackson
Jefferson
Meigs
Mercer
Monroe
Morgan
Muskingum (less Zanesville City)
Noble
Ottawa
Perry
Pike
Putnam
Ross
Sandusky
Scioto
Seneca
Trumbull (less Warren City)
Tuscarawas
Vinton

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	October 1990	September 1990	October 1989
New Applicants	33,061	28,047 [a]	37,382
Applicants Active This Program Year	341,416	303,606	405,514
Counseling Interviews	763	580	1,095
Tests Administered	1,119	1,183	1,341
General Aptitude Tests	220	188	160
Proficiency Tests	325	282	345
Specific Aptitude Tests	0	0	79
Referrals to Jobs	23,541	21,396	24,961
Placements	5,207	5,092	5,736
Job Openings Received	INA	INA	10,595
Job Openings Unfilled	20,365	21,630	20,674

INA – Information not available
[a] Revised

Selected Unemployment Insurance Activities

	Ohio		
	October 1990	September 1990	October 1989
Initial Claims	71,006	47,849	57,166
Continued Claims	362,692	285,072	305,369
First Payments	25,485	16,604	20,888
Last Payments	5,654	5,436	4,256
Average Weekly Claimants	75,216	71,645	67,514
Average Weekly Benefit Recipients	61,326	61,382	55,791
Weeks Compensated	277,397	243,630	131,738
Benefits Paid	$46,233,956	$39,479,652	$37,118,759
Average Weekly Payment	$171.02	$166.02	$167.71
Continued Claims for Survey Week	72,331	70,228	70,987
Insured Unemployment Rate	1.6	1.6	1.5
Net Contributions	$28,147,539	$5,371,690	$25,297,225
Active Employer Accounts	207,158	207,760	204,991

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
145 SOUTH FRONT STREET
PO BOX 1618
COLUMBUS OH 43216-1618

Official Business
Penalty for Private Use $300

Postage and Fees Paid
Employment Security Mail
Lab 441

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STATISTICAL REFERENCE INDEX
CONGRESSIONAL INFO. SERVICE
4520 EAST-WAY HWY.
BETHESDA MD 20814

Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Keith Ewald, Director, Labor Market Information Division at (614) 644-2689.

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Ohio Labor Market Information

Labor Market Review

November 1990

Summary. Ohio's seasonally adjusted unemployment rate dropped from 5.9 percent in October to 5.5 percent in November 1990. The U.S. rate rose from 5.7 percent to 5.9 percent over the month. Total employment in Ohio, at 5,145,000 in November, was unchanged from October. There were 297,000 jobless Ohioans in November, down 28,000 from October. Declines in durable-goods manufacturing industries lowered nonagricultural employment (seasonally adjusted) 8,000 from October to 4,936,000 in November. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was down 12,000 from October to 1,324,000 in November. Layoffs in transportation equipment were chiefly responsible for the reduction, although nearly all durable-goods industries had lower employment. The only manufacturing industry to show an increase was paper and allied products which rose 1,000. General building contractors and special trades contractors each added 1,000 jobs, raising construction employment to 200,000. Mining employment was unchanged at 18,000.

Service-Producing Industries. There were 3,612,000 people employed in service-producing industries in November, up 4,000 from October. Retail trade and services each increased 2,000 over the month. Transportation and public utilities and wholesale trade were up 1,000 apiece. Employment in finance, insurance, and real estate was little changed from October. Government employment declined 1,000.

Over the Year. Ohio's unemployment rate decreased from 6.2 percent in November 1989 to 5.5 percent in November 1990. The national rate rose from 5.3 percent to 5.9 percent during the same period. Total employment in Ohio was up 64,000 from November 1989, while total unemployment was 37,000 lower. Nonfarm payroll employment increased 86,000 over the year. Services added 46,000 jobs, especially in business and health services. Retail trade was up 22,000, while government advanced 14,000 over the year. Wholesale trade, construction, transportation and public utilities, and finance, insurance, and real estate had small gains from their November 1989 levels. Declines in industrial machinery and equipment, electronic and other electric equipment, and transportation equipment helped to lower manufacturing employment 12,000 over the year. Mining employment was virtually unchanged.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $547.41 per week for a 42.6 hour workweek in November, unchanged from October. Increases in earnings occurred in preserved fruits and vegetables, aircraft and parts, and fabricated structural metal products. Sizable decreases in earnings were noted in motor vehicles and equipment, miscellaneous plastics products, metal forgings and stampings, and refrigeration and service machinery.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Benefits and Costs. There were 93,512 initial claims filed under the Ohio Unemployment Compensation Law in November, up 31.7 percent from October, and up 23.3 percent from November 1989. Total benefits paid rose 20.8 percent to $55.8 million. The average weekly benefit check of $172.22 was $1.20 higher than in October. The average weekly number of benefit recipients, at 71,653, increased 16.8 percent. At the end of November, there were 207,403 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 28,229 new job applicants in November, down 15.4 percent from October, and down 13.8 percent from November 1989. The Employment Services Division made 16,479 job referrals in November, down 30.0 percent from October. Total placements dropped 34.7 percent over the month to 3,401.

Collection Method Alternatives
For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

In This Issue

Summary 1
Seasonally Adjusted Series
  Current Data 3
  Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
  Historical Data 7
  Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Minor Metropolitan Areas 46
  Hamilton–Middletown PMSA Data 47
  Lima MSA Data 48
  Lorain–Elyria PMSA Data 49
  Mansfield MSA Data 50
  Steubenville–Weirton MSA Data 51

Technical Notes 52
Employment Service Activities and Unemployment Insurance Activities 53

Ohio

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Nov. 1990	Oct. 1990	Nov. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,442	5,470	5,415	-28	27	-.5	.5
Employment	5,145	5,145	5,081	0	64	.0	1.3
Unemployment	297	325	334	-28	-37	-8.6	-11.1
Unemployment Rate	5.5	5.9	6.2				
Employer Survey Data[e]							
Total	4,936	4,944	4,850	-8	86	-.2	1.8
Goods-Producing Industries	1,324	1,335	1,332	-12	-8	-.9	-.6
Mining	18	18	18	0	0	-.8	-1.7
Coal Mining	7	7	7	0	0	.1	-1.8
Oil and Gas Extraction	5	6	6	0	0	-2.8	-4.1
Construction	200	198	196	2	4	1.1	2.1
General Building Contractors	47	46	47	1	0	1.3	.2
Heavy Construction, Except Building	23	23	23	0	-1	1.2	-2.2
Special Trade Contractors	130	129	126	1	5	.9	3.7
Manufacturing	1,106	1,120	1,119	-13	-12	-1.2	-1.1
Durable Goods	732	743	747	-12	-15	-1.6	-2.1
Lumber and Wood Products	23	23	23	0	1	.2	3.8
Furniture and Fixtures	15	15	16	0	0	.5	-.7
Stone, Clay, and Glass Products	45	45	45	-1	0	-1.2	-1.1
Primary Metal Industries	101	101	101	-1	0	-.5	-.3
Fabricated Metal Products	133	135	135	-2	-2	-1.2	-1.8
Industrial Machinery and Equipment	163	164	167	-1	-4	-.7	-2.2
Electronic and Other Electric Equipment	75	77	79	-1	-4	-1.8	-5.2
Transportation Equipment	136	142	139	-7	-3	-4.6	-2.2
Instruments and Related Products	25	25	27	0	-1	-.6	-5.5
Nondurable Goods	375	376	372	-2	3	-.4	.8
Food and Kindred Products	65	65	64	0	1	-.7	1.5
Apparel and Other Textile Products	15	15	15	0	0	-1.2	-.7
Paper and Allied Products	38	38	38	1	1	1.5	1.6
Printing and Publishing	76	76	74	0	2	.1	2.5
Chemicals and Allied Products	67	67	66	0	1	.0	2.3
Rubber and Misc. Plastics Products	95	97	97	-1	-2	-1.5	-1.7
Service-Producing Industries	3,612	3,609	3,518	4	95	.1	2.7
Transportation and Public Utilities	220	219	217	1	3	.2	1.2
Transportation	130	130	127	1	4	.4	2.8
Communications, Electric, Gas Services	89	90	90	0	-1	-.1	-1.0

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Nov. 1990	Oct. 1990	Nov. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	274	273	267	1	6	.2	2.4
Wholesale Trade-Durable Goods	173	173	169	0	4	.2	2.1
Wholesale Trade-Nondurable Goods	101	100	98	0	3	.4	2.9
Retail Trade	939	937	916	2	22	.2	2.4
Building Materials and Garden Supplies	36	36	35	0	1	.2	2.9
General Merchandise Stores	126	127	126	-1	-1	-.5	-.5
Food Stores	144	144	142	1	2	.5	1.8
Automotive Dealers and Service Stations	102	102	100	0	2	-.1	1.7
Apparel and Accessory Stores	54	53	49	0	4	.7	8.4
Furniture and Homefurnishings Stores	34	34	32	0	2	.4	4.8
Eating and Drinking Places	318	317	313	1	5	.3	1.7
Miscellaneous Retail	125	125	118	0	7	.0	5.7
Finance, Insurance, and Real Estate	257	258	255	0	3	.0	1.1
Finance	121	121	120	0	1	.0	.9
Depository Institutions	91	91	91	0	0	-.1	.1
Insurance	92	92	92	0	1	.0	.6
Real Estate	44	44	43	0	1	-.1	2.8
Services	1,198	1,196	1,152	2	46	.2	4.0
Hotels and Other Lodging Places	39	39	38	0	1	-.2	2.2
Personal Services	55	55	54	0	1	.2	1.2
Business Services	221	220	207	1	13	.5	6.5
Amusements, Including Motion Pictures	60	61	54	-1	7	-1.0	12.2
Health Services	401	401	389	0	12	.1	3.1
Legal Services	31	30	29	0	2	.5	5.3
Educational Services	61	61	60	0	1	.0	1.5
Social Services	77	76	74	0	3	.2	3.7
Membership Organizations	80	81	79	0	1	-.1	1.4
Engineering and Management Services	90	89	86	0	3	.5	3.7
Government	724	725	710	-1	14	-.1	2.0
Federal Government	94	94	97	0	-3	-.3	-2.7
State Government	165	165	159	0	5	-.2	3.4
State Government Education	87	87	83	0	4	-.5	4.5
Local Government	465	465	454	0	12	-.1	2.5
Local Government Education	272	273	266	0	6	-.2	2.3

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July
5,446	5,174	272	5.0	5.6	August
5,450	5,166	284	5.2	5.7	September
5,470	5,145	325	5.9	5.7	October
5,442	5,145	297	5.5	5.9	November

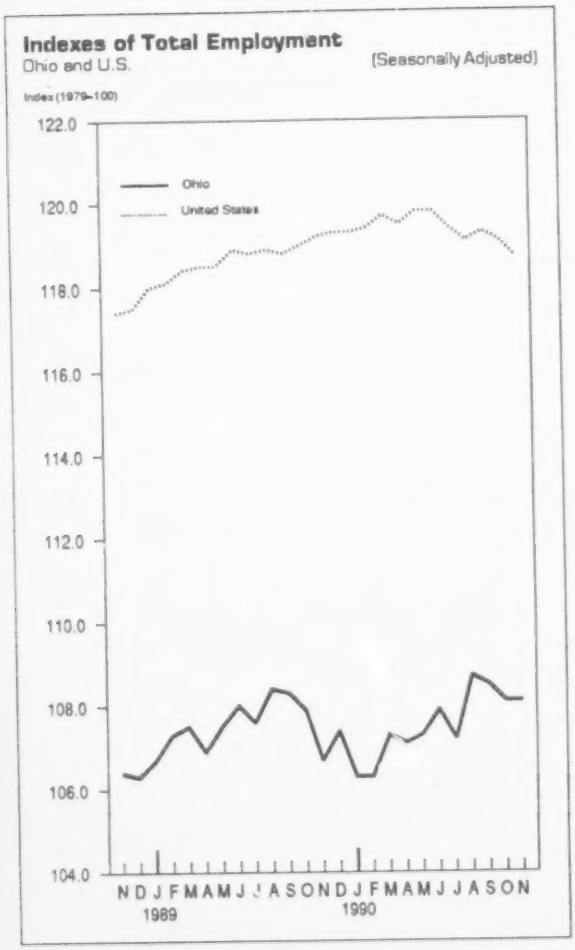
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

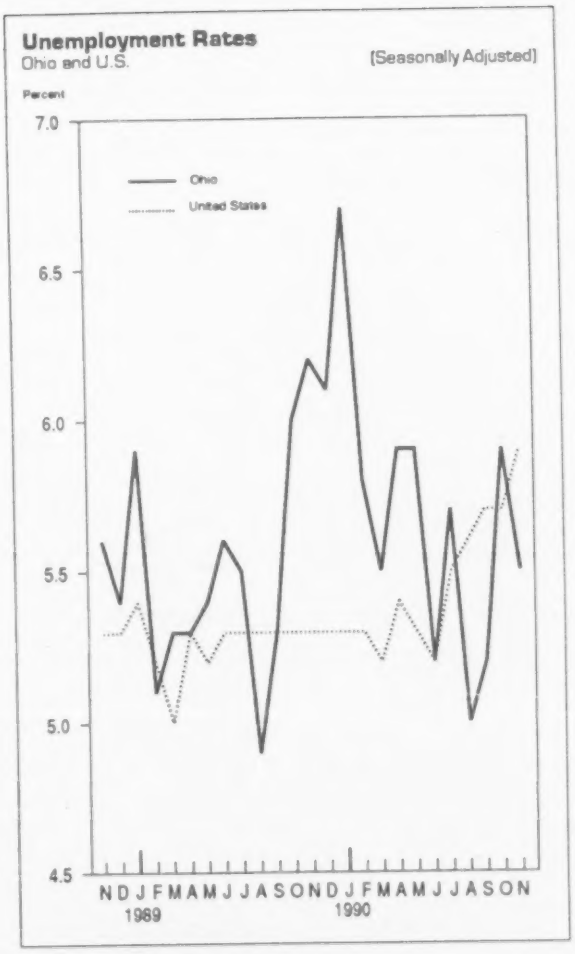
Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,928	1,341	18	199	1,124	June
4,928	1,334	18	198	1,118	July
4,938	1,338	18	200	1,120	August
4,936	1,335	18	199	1,117	September
4,944	1,335	18	198	1,120	October
4,936	1,324	18	200	1,106	November

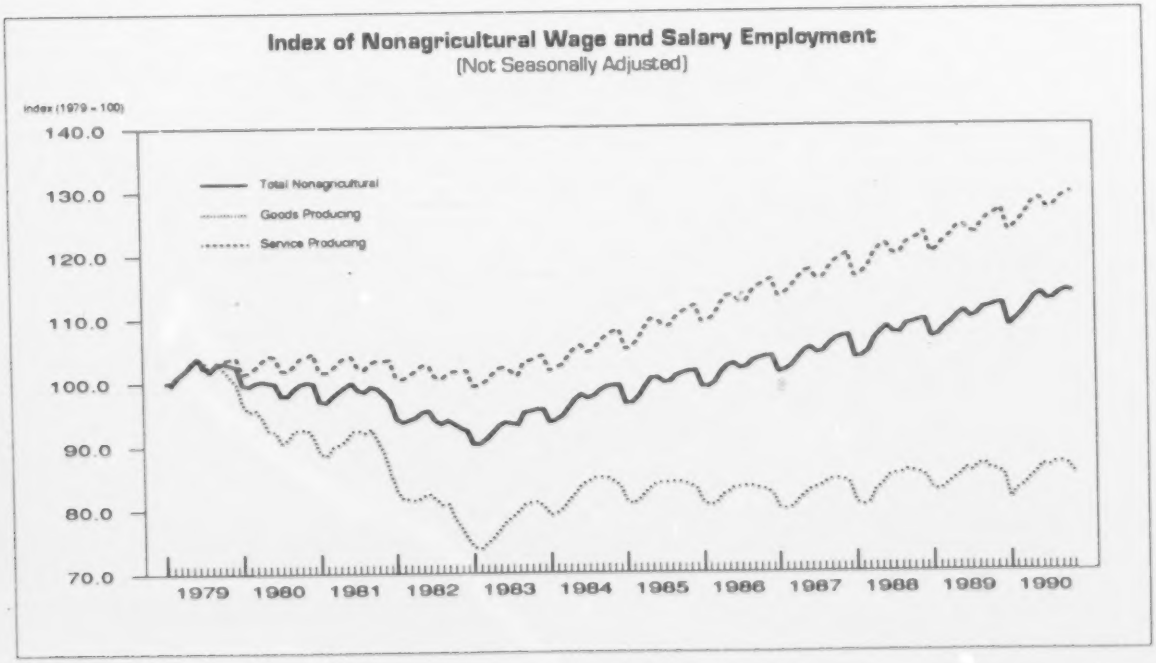
Service–Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,594	218	July	273	937	257	July	1,182	726
3,601	218	August	274	939	257	August	1,189	724
3,602	220	September	274	938	257	September	1,191	723
3,609	219	October	273	937	258	October	1,196	725
3,612	220	November	274	939	257	November	1,198	724

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
122.0
120.0
118.0
116.0
114.0
112.0
110.0
108.0
106.0
104.0
Ohio
United States
N D J F M A M J J A S O N D J F M A M J J A S O N
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
N D J F M A M J J A S O N D J F M A M J J A S O N
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
3,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,977.7	1,357.5	18.4	209.5	1,129.7	June
4,934.0	1,353.1	18.5	216.6	1,118.1	July
4,938.2	1,361.9	18.4	219.9	1,123.6	August
4,979.9	1,363.2	18.3	218.5	1,126.4	September
4,996.7	1,358.3	18.2	215.7	1,124.4	October
4,987.4	1,338.5	18.0	209.9	1,110.7	November

Service-Producing Employment

(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,576.4	221.1	August	274.6	948.3	260.4	August	1,202.5	669.5
3,616.7	222.3	September	273.7	945.6	258.3	September	1,208.9	707.9
3,638.4	222.0	October	274.4	944.0	257.6	October	1,204.2	736.2
3,648.8	222.0	November	275.0	956.1	257.2	November	1,197.2	741.4

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.7	754.2	375.5	June	772.7	423.3	33.2
1,118.1	743.4	374.6	July	759.6	404.2	32.1
1,123.6	746.6	377.0	August	765.3	410.8	32.4
1,126.4	746.3	380.1	September	768.5	427.9	33.2
1,124.4	745.1	379.3	October	767.0	419.9	32.7
1,110.7	734.1	376.6	November	754.5	413.0	32.1

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$ 7.84	$ 8.06	$ 7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84
547.41	571.43	496.78	October	42.6	42.9	42.1	October	12.85	13.32	11.80
547.41	569.28	501.83	November	42.6	42.9	42.1	November	12.85	13.27	11.92

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.4	100.6	135.2	August	165.6	77.0	141.5	August	64.7	76.5	96.9
46.2	102.0	135.9	September	165.1	76.8	140.0	September	67.4	76.5	97.3
46.1	101.2	134.9	October	164.3	76.7	141.7	October	66.3	76.5	97.4
45.4	100.4	133.7	November	163.4	75.6	136.0	November	64.7	76.9	95.9

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
485.52	666.77	534.25	November	558.11	475.78	735.68	November	499.10	488.81	443.22

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	4987.4	4996.7	4900.8	-9.3	86.6
Goods-Producing Industries	1338.5	1358.3	1346.8	-19.7	-8.2
Mining	18.0	18.2	18.3	-.2	-.3
Coal Mining	7.4	7.4	7.5	.0	-.1
Oil and Gas Extraction	5.5	5.6	5.8	-.1	-.2
Construction	209.9	215.7	205.5	-5.8	4.4
General Building Contractors	48.6	49.1	48.5	-.5	.1
Nonresidential Building Construction	24.3	24.4	24.7	-.1	-.4
Heavy Construction, Except Building	24.8	27.3	25.4	-2.5	-.6
Highway and Street Construction	8.5	9.6	9.3	-1.2	-.8
Special Trade Contractors	136.5	139.4	131.7	-2.9	4.8
Manufacturing	1110.7	1124.4	1123.0	-13.7	-12.3
Durable Goods[f]	734.1	745.1	749.5	-11.0	-15.4
Lumber and Wood Products	23.7	23.9	22.8	-.2	.9
Millwork, Plywood and Structural Members	10.6	10.6	10.4	.0	.2
Furniture and Fixtures	15.5	15.5	15.6	.0	-.1
Stone, Clay, and Glass Products	45.4	46.1	45.9	-.7	-.5
Primary Metal Industries	100.4	101.2	100.8	-.8	-.4
Blast Furnace and Basic Steel Products	47.2	47.0	45.5	.2	1.7
Iron and Steel Foundries	19.7	19.8	20.4	-.1	-.7
Nonferrous Rolling and Drawing	15.5	16.3	17.0	-.8	-1.6
Nonferrous Foundries	10.7	10.7	10.5	-.1	.2
Fabricated Metal Products	133.7	134.9	136.2	-1.2	-2.5
Fabricated Structural Metal Products	30.4	30.6	30.5	-.2	-.1
Metal Forgings and Stampings	38.6	39.0	39.3	-.4	-.7
Industrial Machinery and Equipment	163.4	164.3	167.1	-.9	-3.7
Construction and Related Machinery	13.5	13.6	14.2	-.1	-.7
Metalworking Machinery	47.0	47.1	47.6	-.1	-.6
Special Industry Machinery	16.3	16.7	17.1	-.4	-.8
General Industrial Machinery	26.1	26.1	26.3	.0	-.2
Computer and Office Equipment	10.8	10.9	11.3	-.1	-.5
Refrigeration and Service Machinery	14.6	14.8	15.9	-.2	-1.3
Electronic and Other Electric Equipment	75.6	76.7	79.6	-1.1	-4.0
Electrical Industrial Apparatus	12.3	12.3	12.6	.1	-.3
Household Appliances	14.6	15.0	15.4	-.4	-.8
Electric Lighting and Wiring Equipment	15.9	16.2	16.7	-.3	-.8
Electronic Components and Accessories	11.1	11.2	11.6	-.1	-.5
Transportation Equipment	136.0	141.7	139.0	-5.7	-3.0
Motor Vehicles and Equipment	91.0	96.5	93.5	-5.5	-2.5
Aircraft and Parts	36.2	36.4	36.6	-.2	-.4
Instruments and Related Products	25.5	25.6	27.0	-.1	-1.5
Measuring and Controlling Devices	15.4	15.5	16.4	-.1	-1.1
Nondurable Goods[g]	376.6	379.3	373.5	-2.7	3.1
Food and Kindred Products	64.7	66.3	63.8	-1.6	1.0
Dairy Products	11.0	11.1	10.2	-.1	.9
Preserved Fruits and Vegetables	10.7	12.1	10.9	-1.5	-.2
Bakery Products	9.7	9.8	9.6	-.1	.1
Apparel and Other Textile Products	15.4	15.5	15.5	-.1	-.1
Paper and Allied Products	38.5	38.0	37.9	.5	.6
Paperboard Containers and Boxes	14.4	14.2	13.9	.1	.4
Miscellaneous Converted Paper Products	12.3	12.1	12.0	.2	.3
Printing and Publishing	76.9	76.5	75.0	.4	1.8
Newspapers	19.5	19.5	19.0	.0	.5
Commercial Printing	28.3	28.2	27.7	.1	.5
Chemicals and Allied Products	67.1	67.1	65.6	.0	1.6
Plastics Materials and Synthetics	9.8	9.8	9.7	.0	.1
Rubber and Miscellaneous Plastics Products	95.9	97.4	97.6	-1.5	-1.6
Tires and Inner Tubes	16.1	16.1	15.5	.0	.7
Miscellaneous Plastics Products	58.3	59.4	58.9	-1.1	-.6
Service-Producing Industries	3648.8	3638.4	3554.0	10.4	94.8
Transportation and Public Utilities	222.0	222.0	219.4	-.1	2.6
Transportation	132.5	132.4	129.0	.1	3.5
Railroad Transportation	12.0	12.3	12.5	-.3	-.5
Trucking and Warehousing	79.8	79.4	77.9	.4	1.9
Transportation by Air	14.6	14.5	13.6	.2	1.1
Communications, Electric, Gas Services	89.5	89.6	90.4	-.1	-.9
Communications	46.4	46.6	47.2	-.1	-.8
Electric, Gas, and Sanitary Services	43.1	43.1	43.2	.0	-.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Wholesale Trade	275.0	274.4	268.5	.6	6.5
Wholesale Trade-Durable Goods	173.6	173.5	169.9	.1	3.7
Motor Vehicles, Parts, and Supplies	23.0	23.0	22.9	-.1	.1
Professional and Commercial Equipment	33.4	33.3	32.7	.1	.8
Metals and Minerals, Except Petroleum	11.6	11.5	11.2	.1	.4
Electrical Goods	19.0	18.9	18.8	.1	.1
Hardware, Plumbing and Heating Equipment	13.1	13.1	12.8	.0	.3
Machinery, Equipment, and Supplies	43.3	43.4	42.3	-.1	1.0
Wholesale Trade-Nondurable Goods	101.4	100.9	98.6	.5	2.8
Groceries and Related Products	33.6	33.4	32.5	.2	1.1
Retail Trade	956.1	944.0	933.3	12.2	22.8
Building Materials and Garden Supplies	36.0	36.2	35.0	-.2	1.0
Lumber and Other Building Materials	18.1	18.2	17.8	-.2	.2
General Merchandise Stores	134.9	128.2	135.6	6.8	-.7
Department Stores	109.7	104.5	110.3	5.3	-.5
Variety Stores	14.6	14.0	14.6	.6	.0
Food Stores	146.3	144.0	143.7	2.3	2.5
Grocery Stores	128.5	126.8	126.5	1.7	2.1
Automotive Dealers and Service Stations	101.8	102.7	100.1	-.9	1.7
New and Used Car Dealers	44.6	44.9	44.4	-.3	.3
Gasoline Service Stations	36.0	36.3	34.8	-.3	1.1
Apparel and Accessory Stores	55.9	53.9	51.6	2.0	4.3
Furniture and Homefurnishings Stores	34.8	34.1	33.2	.7	1.6
Eating and Drinking Places	317.3	318.9	311.9	-1.6	5.4
Miscellaneous Retail	129.3	126.1	122.3	3.1	7.0
Drug Stores and Proprietary Stores	33.3	33.0	31.8	.2	1.5
Nonstore Retailers	24.7	24.1	23.7	.6	.9
Finance, Insurance, and Real Estate	257.2	257.6	254.3	-.4	2.8
Finance	120.9	120.9	119.8	.0	1.1
Depository Institutions	90.7	90.8	90.6	-.1	.1
Commercial Banks	64.5	64.4	63.6	.0	.9
Insurance	92.6	92.6	92.0	.0	.6
Insurance Carriers	70.4	70.3	70.4	.1	.0
Life Insurance	25.9	26.0	26.0	.0	-.1
Fire, Marine, and Casualty Insurance	31.9	31.8	31.1	.1	.8
Real Estate	43.7	44.2	42.5	-.5	1.2
Services	1197.2	1204.2	1152.0	-7.0	45.1
Hotels and Other Lodging Places	38.5	39.0	37.6	-.5	.9
Personal Services	54.6	54.6	53.9	.0	.6
Business Services	223.1	224.2	209.5	-1.1	13.6
Services to Buildings	33.3	33.6	32.6	-.3	.7
Personnel Supply Services	78.6	79.2	73.3	-.6	5.3
Computer and Data Processing Services	28.6	28.5	26.2	.1	2.5
Amusements, Including Motion Pictures	52.0	57.3	46.4	-5.3	5.6
Health Services	402.3	402.3	390.0	.0	12.3
Nursing and Personal Care Facilities	87.1	87.1	84.5	.0	2.6
Hospitals	193.4	193.6	188.7	-.1	4.7
Legal Services	30.5	30.5	29.0	.1	1.5
Educational Services	67.0	65.7	66.0	1.3	1.0
Colleges and Universities	38.5	37.5	37.9	1.1	.7
Social Services	77.3	76.9	74.5	.3	2.8
Residential Care	23.5	23.5	22.4	.0	1.1
Membership Organizations	80.2	80.5	79.1	-.3	1.1
Engineering and Management Services	89.4	89.2	86.2	.2	3.2
Engineering and Architectural Services	27.4	27.4	26.2	.0	1.2
Accounting, Auditing, and Bookkeeping	21.8	21.8	21.3	.0	.5
Research and Testing Services	19.4	19.3	19.1	.1	.3
Management and Public Relations	20.8	20.7	19.7	.1	1.2
Government	741.4	736.2	726.5	5.2	15.0
Federal Government	94.0	93.9	96.6	.1	-2.7
U.S. Postal Service	33.3	33.3	34.1	.0	-.8
State Government	172.3	170.8	166.5	1.6	5.8
State Government Hospitals	15.7	15.6	15.9	0	-.2
State Government Education[h]	95.7	94.0	91.6	1.7	4.1
Local Government	475.1	471.5	463.3	3.6	11.8
Local Government Hospitals	15.2	15.2	14.8	.1	.5
Local Government Education	284.4	280.7	277.8	3.6	6.5

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov 1990[p]	Oct 1990[r]	Nov 1989[r]	Nov 1990[p]	Oct 1990[r]	Nov 1989[r]	Nov 1990[p]	Oct 1990[r]	Nov 1989[r]
Goods-Producing Industries	$567.24	$562.38	$540.99	42.3	42.0	42.1	$13.41	$13.39	$12.85
Mining									
Coal Mining	629.75	651.23	607.03	44.6	45.7	44.7	14.12	14.25	13.58
	741.15	793.07	740.93	43.7	45.5	44.5	16.96	17.43	16.65
Construction	660.14	624.68	603.34	40.8	38.8	38.9	16.18	16.10	15.51
General Building Contractors	575.64	535.83	545.29	41.0	38.8	39.6	14.04	13.81	13.77
Heavy Construction, Except Building	731.87	680.59	591.31	42.6	40.2	38.1	17.18	16.93	15.52
Special Trade Contractors	669.38	638.33	626.68	40.3	38.5	38.9	16.61	16.58	16.11
Manufacturing	547.41	547.41	526.92	42.6	42.6	42.7	12.85	12.85	12.34
Durable Goods[f]	569.28	571.43	545.24	42.9	42.9	43.0	13.27	13.32	12.68
Lumber and Wood Products	320.72	311.08	335.72	39.4	38.5	40.4	8.14	8.08	8.31
Millwork, Plywood and Structural Members	376.13	367.74	382.81	42.5	41.6	43.8	8.85	8.84	8.74
Furniture and Fixtures	403.32	400.68	389.46	42.1	42.0	41.3	9.58	9.54	9.43
Stone, Clay, and Glass Products	485.52	492.26	488.91	42.0	42.4	43.0	11.56	11.61	11.37
Primary Metal Industries	666.77	666.45	616.07	44.9	45.0	43.6	14.85	14.81	14.13
Blast Furnace and Basic Steel Products	697.23	692.94	614.47	46.7	46.6	43.0	14.93	14.87	14.29
Iron and Steel Foundries	723.86	721.60	634.51	44.6	45.1	43.4	16.23	16.00	14.62
Nonferrous Rolling and Drawing	658.12	670.71	687.74	40.4	41.3	43.2	16.29	16.24	15.92
Nonferrous Foundries	465.84	466.56	473.09	43.7	43.2	44.8	10.66	10.80	10.56
Fabricated Metal Products	534.25	539.33	512.68	42.1	42.3	42.3	12.69	12.75	12.12
Fabricated Structural Metal Products	510.34	496.22	493.29	44.3	43.3	43.5	11.52	11.46	11.34
Metal Forgings and Stampings	670.03	682.41	618.85	42.3	43.0	42.3	15.84	15.87	14.63
Industrial Machinery and Equipment	558.11	558.54	534.69	43.5	43.5	43.4	12.83	12.84	12.32
Construction and Related Machinery	446.23	453.05	460.78	39.7	40.2	41.4	11.24	11.27	11.13
Metalworking Machinery	545.46	537.14	539.40	44.6	44.1	45.1	12.23	12.18	11.96
Special Industry Machinery	510.19	510.38	529.74	43.2	43.4	45.2	11.81	11.76	11.72
General Industrial Machinery	656.71	672.67	567.38	45.7	46.2	42.5	14.37	14.56	13.35
Computer and Office Equipment	493.54	470.76	464.54	42.4	40.9	41.7	11.64	11.51	11.14
Refrigeration and Service Machinery	580.93	622.09	579.90	39.6	41.5	41.6	14.67	14.99	13.94
Electronic and Other Electric Equipment	475.78	472.73	462.31	41.3	41.0	41.5	11.52	11.53	11.14
Electrical Industrial Apparatus	451.26	456.79	447.81	41.9	42.1	43.1	10.77	10.85	10.39
Household Appliances	476.58	485.50	465.66	39.0	39.6	39.0	12.22	12.26	11.94
Electric Lighting and Wiring Equipment	497.27	495.24	474.26	40.2	40.1	40.5	12.37	12.35	11.71
Electronic Components and Accessories	351.49	343.10	339.06	41.4	40.7	41.5	8.49	8.43	8.17
Transportation Equipment	735.68	740.44	720.72	44.0	44.1	45.3	16.72	16.79	15.91
Motor Vehicles and Equipment	754.26	764.25	741.65	43.7	44.1	45.5	17.26	17.33	16.30
Aircraft and Parts	719.44	688.18	708.66	46.0	44.6	46.5	15.64	15.43	15.24
Instruments and Related Products	408.63	392.04	387.32	40.7	39.6	40.6	10.04	9.90	9.54
Measuring and Controlling Devices	387.83	380.16	381.24	38.9	38.4	40.3	9.97	9.90	9.46
Nondurable Goods[g]	501.83	496.78	484.68	42.1	42.1	42.0	11.92	11.80	11.54
Food and Kindred Products	499.10	475.45	467.58	43.1	42.3	42.2	11.58	11.24	11.08
Dairy Products	480.95	491.62	480.31	42.3	43.2	43.0	11.37	11.38	11.17
Preserved Fruits and Vegetables	543.37	489.39	491.82	43.4	41.9	42.0	12.52	11.68	11.71
Bakery Products	518.75	499.79	497.68	41.5	40.6	40.2	12.50	12.31	12.38
Apparel and Other Textile Products	317.60	335.34	298.30	39.9	41.4	38.0	7.96	8.10	7.85
Paper and Allied Products	534.61	533.57	501.78	44.7	44.8	43.9	11.96	11.91	11.43
Paperboard Containers and Boxes	463.03	479.70	437.42	43.6	45.0	42.8	10.62	10.66	10.22
Miscellaneous Converted Paper Products	513.47	502.16	462.05	45.4	44.4	44.3	11.31	11.31	10.43
Printing and Publishing	488.81	484.41	478.67	40.7	40.2	40.6	12.01	12.05	11.79
Newspapers	393.04	384.43	402.85	34.0	33.4	35.0	11.56	11.51	11.51
Commercial Printing	502.58	500.32	480.66	42.7	42.4	42.2	11.77	11.80	11.39
Chemicals and Allied Products	622.79	613.18	593.64	43.4	43.0	42.8	14.35	14.26	13.87
Plastics Materials and Synthetics	690.02	714.11	655.56	43.7	44.8	43.3	15.79	15.94	15.14
Rubber and Miscellaneous Plastics Products	443.22	456.20	440.35	40.7	41.7	41.7	10.89	10.94	10.56
Tires and Inner Tubes	700.90	688.22	700.44	43.0	42.8	44.9	16.30	16.08	15.60
Miscellaneous Plastics Products	419.60	439.67	416.98	40.0	41.4	40.8	10.49	10.62	10.22
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	643.21	630.34	596.14	42.4	41.8	41.0	15.17	15.08	14.54
Communications	589.28	576.56	572.27	40.5	39.9	40.5	14.55	14.45	14.13
Electric, Gas, and Sanitary Services	705.57	693.00	623.17	44.6	44.0	41.6	15.82	15.75	14.98
Wholesale Trade	422.48	421.50	409.11	39.3	39.1	39.3	10.75	10.78	10.41
Wholesale Trade-Durable Goods	417.76	417.98	396.87	39.3	39.1	39.1	10.63	10.69	10.15
Motor Vehicles, Parts, and Supplies	350.20	352.64	344.18	37.9	38.0	38.2	9.24	9.28	9.01
Metals and Minerals, Except Petroleum	479.83	470.08	464.03	42.5	41.6	42.3	11.29	11.30	10.97
Wholesale Trade-Nondurable Goods	430.73	427.36	428.97	39.3	39.1	39.5	10.96	10.93	10.86

See footnotes on page 13.

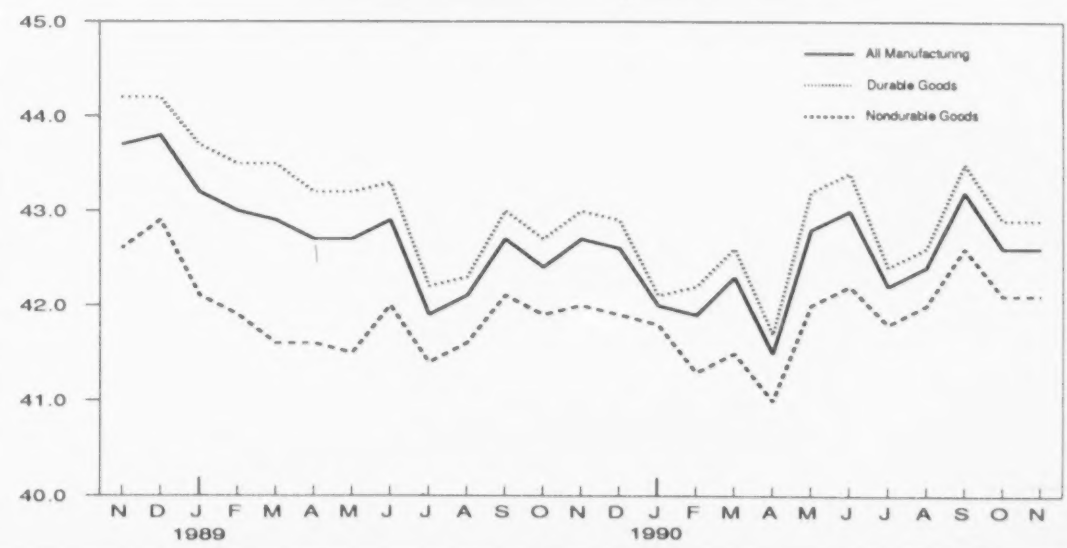
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

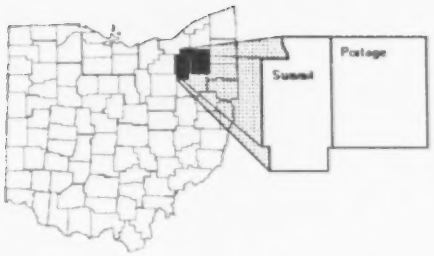
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Retail Trade[j]	$180.70	$178.94	$175.06	27.8	27.7	28.1	$ 6.50	$ 6.46	$ 6.23
General Merchandise Stores	191.76	195.68	180.76	28.2	28.4	28.2	6.80	6.89	6.41
Department Stores	193.76	199.08	183.86	28.0	28.4	28.2	6.92	7.01	6.52
Finance, Insurance, and Real Estate	353.80	352.72	347.23	....	....	....	.....	.....	.....
Finance	325.01	325.08	320.91	....	....	....	.....	.....	.....
Depository Institutions	274.86	275.90	273.72	....	....	....	.....	.....	.....
Commercial Banks	269.15	270.48	271.45	....	....	....	.....	.....	.....
Insurance	420.89	419.94	413.73	....	....	....	.....	.....	.....
Insurance Carriers	409.91	407.63	396.90	....	....	....	.....	.....	.....
Life Insurance	377.43	375.63	369.07	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	446.07	442.21	423.70	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	251.89	247.50	225.98	33.1	33.0	32.1	7.61	7.50	7.04
Health Services	323.20	321.18	305.92	32.0	31.8	31.8	10.10	10.10	9.62
Nursing and Personal Care Facilities	221.21	216.24	202.88	32.2	31.8	31.9	6.87	6.80	6.36
Hospitals	377.86	376.86	362.19	32.8	32.6	32.6	11.52	11.56	11.11
Engineering and Management Services	493.27	493.56	457.54	35.9	36.0	34.9	13.74	13.71	13.11
Engineering and Architectural Services	706.71	702.35	624.44	35.3	35.1	31.3	20.02	20.01	19.95
Research and Testing Services	384.85	386.23	379.85	35.9	36.3	36.7	10.72	10.64	10.35

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



Akron Primary Metropolitan Statistical Area

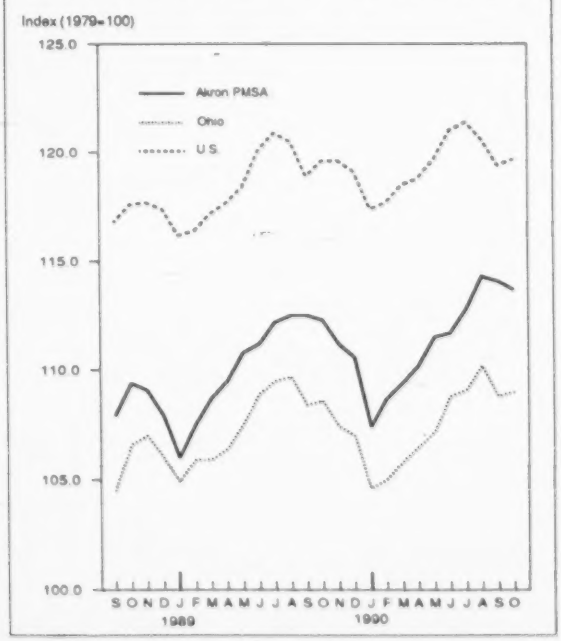


Nonfarm wage and salary employment in the Akron metropolitan area totaled 297,500 in November 1990, up 400 from October. The number of employees in service-producing industries rose 800. More business in retail trade and the settlement of a labor-management dispute in local government education more than offset seasonal declines in services. The workforce in goods-producing industries declined 400 over the month to 80,600 primarily due to layoffs in construction. Employment in the manufacturing sector was unchanged as scattered increases counterbalanced reductions in industrial machinery and equipment and rubber and miscellaneous plastics products. Factory production workers averaged $12.15 per hour, little changed from October. Their average workweek of 43.2 hours was 0.4 hours longer.

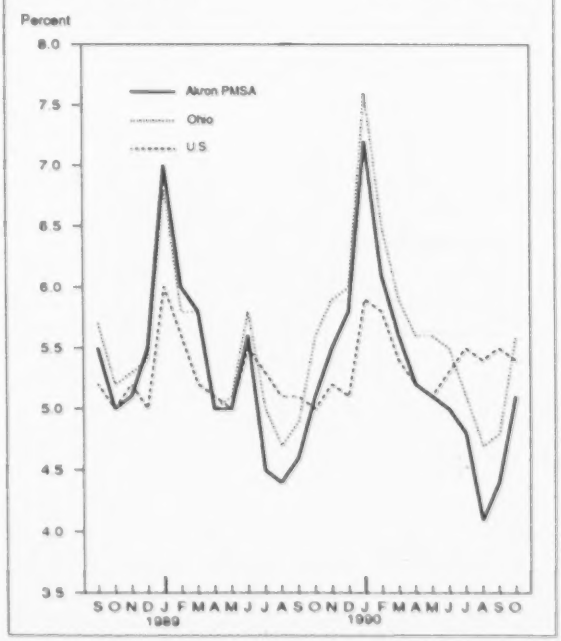
Nonagricultural payroll employment advanced 8,300 between November 1989 and November 1990. Expansion in service-producing industries created 6,600 jobs. Leading growth sectors were services (+4,300) and retail trade (+1,400). Improvements in manufacturing, especially rubber and miscellaneous plastics products, and modest gains in construction raised employment in goods-producing industries 1,700 above the year-ago level.

Seasonally adjusted employment in the Akron area increased 1,000 from October to 294,000 in November 1990, chiefly due to gains in government. Since November 1989, total payroll employment advanced 9,000. Services gained 4,000 jobs; manufacturing, transportation and public utilities, retail trade and government each added 1,000 jobs.

Indexes of Total Employment
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$ 7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11
338.0	321.8	16.2	4.8	July	290.1	67.6	38.3	509.92	42.6	11.97
340.4	326.3	14.1	4.1	August	291.2	67.9	38.6	529.40	43.5	12.17
340.4	325.5	14.9	4.4	September	297.8	68.6	39.2	529.91	43.4	12.21
341.9	324.6	17.3	5.1	October	297.1	69.1	39.6	519.16	42.8	12.13
INA	INA	INA	INA	November	297.5	69.2	39.7	524.88	43.2	12.15

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	215	14	16	57	11	71	46
293	79	10	68	September	213	14	16	57	11	71	45
293	80	10	69	October	213	14	16	57	11	72	44
294	80	10	69	November	214	14	16	57	11	72	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	297.5	297.1	289.1	.4	8.3
Goods-Producing Industries[e]	80.6	81.0	78.9	-.4	1.7
Construction	10.8	11.2	10.5	-.4	.4
Manufacturing	69.2	69.1	67.8	.0	1.4
Durable Goods[f]	35.4	35.3	35.0	.2	.4
Fabricated Metal Products	11.5	11.4	11.2	.1	.2
Fabricated Structural Metal Products	5.0	4.9	4.9	.1	.1
Industrial Machinery and Equipment	10.1	10.1	10.3	-.1	-.2
Metalworking Machinery	4.0	4.0	3.9	.1	.2
Electronic and Other Electric Equipment	2.5	2.5	2.5	.0	-.1
Transportation Equipment	4.8	4.8	4.9	.0	-.1
Nondurable Goods[g]	33.7	33.9	32.8	-.1	1.0
Food and Kindred Products	3.1	3.1	3.0	.0	.0
Chemicals and Allied Products	3.7	3.7	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	20.9	21.0	20.3	-.1	.7
Tires and Inner Tubes	11.7	11.7	11.1	.0	.6
Service-Producing Industries	216.8	216.1	210.2	.8	6.6
Transportation and Public Utilities	13.6	13.7	13.3	-.1	.3
Communications, Electric, Gas Services	4.7	4.7	4.7	.0	.1
Wholesale Trade	15.8	15.9	15.8	-.1	.0
Retail Trade	58.5	57.7	57.1	.7	1.4
General Merchandise Stores	7.9	7.6	8.3	.3	-.4
Food Stores	9.5	9.2	9.4	.3	.2
Finance, Insurance, and Real Estate	10.6	10.6	10.6	-.1	.0
Finance	5.3	5.3	5.4	.0	-.1
Services	71.1	71.4	66.9	-.3	4.3
Business Services	12.3	12.2	11.6	.1	.7
Personnel Supply Services	3.2	3.2	3.3	.1	-.1
Amusements, Including Motion Pictures	6.8	7.3	5.1	-.5	1.7
Health Services	22.7	22.6	21.9	.1	.9
Nursing and Personal Care Facilities	4.0	4.0	3.9	.0	.1
Hospitals	11.2	11.1	10.9	.1	.3
Social Services	4.9	4.9	4.9	.0	.0
Engineering and Management Services	5.6	5.5	5.1	.1	.5
Government	47.3	46.7	46.6	.6	.7
Federal Government	2.5	2.5	2.4	.0	.1
State Government	18.0	17.9	17.6	.1	.4
State Government Education[h]	15.2	15.1	14.8	.1	.5
Local Government	26.8	26.3	26.6	.5	.2
Local Government Education	14.8	14.3	14.6	.5	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

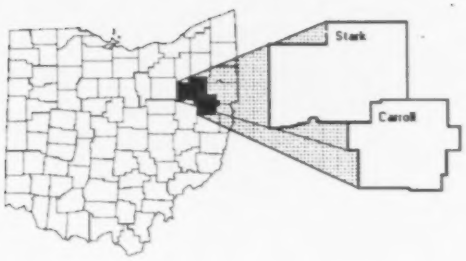
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$524.88	$519.16	$502.79	43.2	42.8	42.9	$12.15	$12.13	$11.72
Durable Goods[f]	535.05	528.84	519.39	43.5	43.1	43.5	12.30	12.27	11.94
Fabricated Metal Products	648.86	655.34	619.99	43.2	43.4	43.6	15.02	15.10	14.22
Fabricated Structural Metal Products	538.05	549.77	592.72	44.8	45.1	47.8	12.01	12.19	12.40
Industrial Machinery and Equipment	506.47	490.39	483.47	45.1	44.5	45.1	11.23	11.02	10.72
Metalworking Machinery	583.70	542.42	519.95	48.4	46.4	46.3	12.06	11.69	11.23
Electronic and Other Electric Equipment	445.63	430.97	402.62	42.2	41.4	41.0	10.56	10.41	9.82
Transportation Equipment	635.38	625.74	660.38	43.4	42.8	44.5	14.64	14.62	14.84
Nondurable Goods[g]	511.80	504.64	481.50	42.9	42.3	42.2	11.93	11.93	11.41
Food and Kindred Products	423.72	393.03	419.25	41.5	39.7	43.0	10.21	9.90	9.75
Chemicals and Allied Products	552.93	602.04	539.09	42.5	45.3	43.9	13.01	13.29	12.28
Rubber and Miscellaneous Plastics Products	510.26	498.53	478.98	43.5	42.5	42.5	11.73	11.73	11.27
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	600.82	595.44	608.99	40.9	40.7	41.4	14.69	14.63	14.71
Wholesale Trade	374.87	365.79	355.99	37.3	36.8	36.7	10.05	9.94	9.70
Retail Trade[j]	217.77	214.52	211.54	30.5	30.3	31.2	7.14	7.08	6.78
General Merchandise Stores	194.83	194.39	191.40	29.7	29.1	30.0	6.56	6.68	6.38
Food Stores	329.73	320.78	317.92	37.3	37.3	36.5	8.84	8.60	8.71
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	277.18	276.86	267.48	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

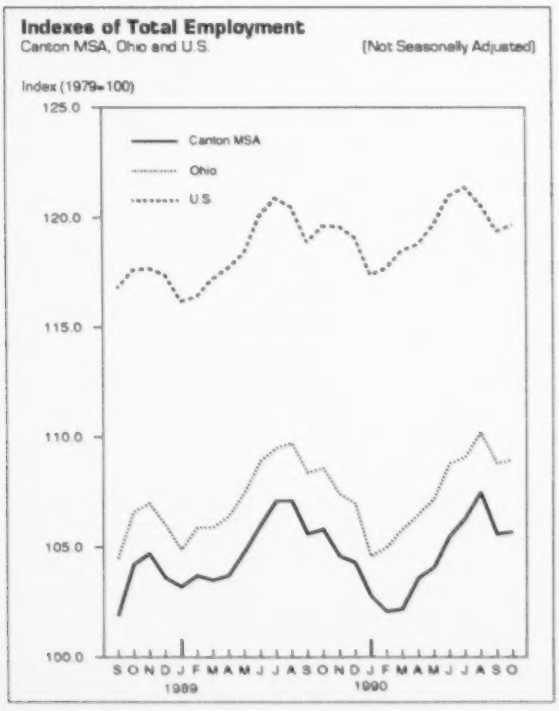
Canton Metropolitan Statistical Area

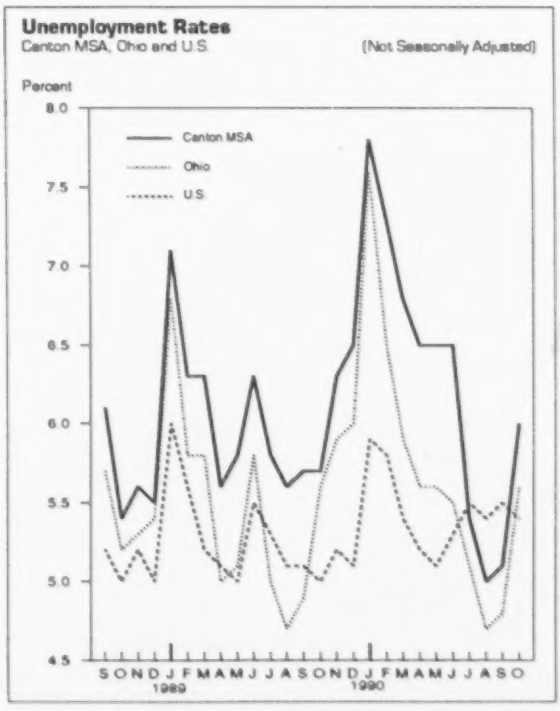


In the Canton metropolitan area, nonfarm payroll employment rose 400 above the October level to 169,300 in November 1990. More business in retail trade, especially general merchandise stores, and increases in local government added 500 jobs in service-producing industries. Layoffs in construction lowered employment in goods-producing industries 100 over the month to 53,800. The manufacturing workforce gained 100 mainly due to a modest improvement in primary metal industries. Factory production workers averaged $11.47 per hour, down fractionally from October. Their average workweek of 42.5 hours was 0.2 hours longer.

Nonagricultural wage and salary employment advanced 2,700 between November 1989 and November 1990. The improvement was concentrated in the service-producing sector, especially services. Noteworthy gains occurred in retail trade and local government. Employment in goods-producing industries declined 300 over the year as production cutbacks in manufacturing negated nominal growth in construction. Reductions in fabricated metal products and rubber and miscellaneous plastics products outweighed modest growth in primary metal industries.

Seasonally adjusted employment in the Canton area totaled 167,000 in November 1990, unchanged from October. Since November 1989, nonfarm payroll employment advanced 2,000. Expansion in services, retail trade, and government more than offset a decline in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$ 8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.9	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
196.6	186.7	9.9	5.0	August	168.4	45.3	31.6	484.08	42.5	11.39
193.4	183.5	9.8	5.1	September	169.1	45.7	32.1	491.63	42.9	11.46
195.2	183.6	11.6	6.0	October	168.8	45.0	31.6	485.60	42.3	11.48
INA	INA	INA	INA	November	169.3	45.2	31.6	487.48	42.5	11.47

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20
168	54	7	45	September	114	6	9	34	7	40	20
167	53	7	45	October	114	6	9	34	7	40	20
167	53	7	45	November	114	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	169.3	168.8	166.5	.4	2.7
Goods-Producing Industries[e]	53.8	53.9	54.0	-.1	-.3
Construction	7.8	8.0	7.6	-.2	.2
Manufacturing	45.2	45.0	45.7	.1	-.5
Durable Goods[f]	33.4	33.3	33.7	.1	-.3
Primary Metal Industries	12.0	11.8	11.2	.2	.7
Fabricated Metal Products	5.3	5.3	6.2	.0	-.9
Electronic and Other Electric Equipment	3.9	4.0	4.1	-.1	-.2
Nondurable Goods[g]	11.7	11.7	12.0	.1	-.3
Food and Kindred Products	3.5	3.4	3.3	.0	.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.2	.0	-.4
Service-Producing Industries	115.5	115.0	112.5	.5	3.0
Transportation and Public Utilities	5.6	5.6	5.7	.0	.0
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.7	8.5	.0	.2
Retail Trade	34.3	34.0	33.6	.3	.7
General Merchandise Stores	4.3	4.1	4.5	.3	-.2
Food Stores	5.7	5.7	5.6	.1	.1
Finance, Insurance, and Real Estate	6.6	6.7	6.8	-.1	-.2
Finance	3.9	3.9	3.9	-.1	-.1
Services	40.3	40.2	38.6	.1	1.7
Health Services	16.5	16.4	15.8	.1	.7
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.7	7.6	7.4	.1	.3
Government	19.9	19.8	19.3	.2	.6
Federal Government	1.4	1.4	1.3	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.0	.0
Local Government	16.8	16.7	16.3	.2	.5
Local Government Education	10.2	10.2	10.0	.0	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

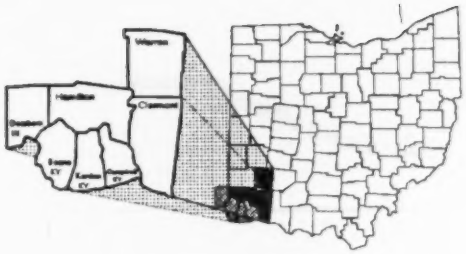
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$487.48	$485.60	$462.26	42.5	42.3	41.2	$11.47	$11.48	$11.22
Durable Goods[f]	499.36	506.11	485.30	42.9	43.0	41.8	11.64	11.77	11.61
Primary Metal Industries	539.13	568.51	492.46	44.3	45.7	42.6	12.17	12.44	11.56
Fabricated Metal Products	450.66	444.29	487.97	40.6	40.5	40.8	11.10	10.97	11.96
Electronic and Other Electric Equipment	537.16	571.45	533.05	38.7	40.3	40.2	13.88	14.18	13.26
Nondurable Goods[g]	452.50	426.22	394.18	41.4	40.4	39.3	10.93	10.55	10.03
Food and Kindred Products	423.60	417.01	398.98	39.7	38.9	38.4	10.67	10.72	10.39
Rubber and Miscellaneous Plastics Products	389.37	381.84	398.13	40.1	39.9	41.3	9.71	9.57	9.64
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	610.58	606.39	580.32	41.2	41.0	40.3	14.82	14.79	14.40
Wholesale Trade	384.93	389.16	370.66	39.0	38.8	37.9	9.87	10.03	9.78
Retail Trade[i]	174.71	174.31	169.48	27.6	27.8	28.2	6.33	6.27	6.01
General Merchandise Stores	184.80	193.05	185.95	28.0	28.1	29.1	6.60	6.87	6.39
Food Stores	175.85	172.24	155.75	28.5	28.9	26.9	6.17	5.96	5.79
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	198.04	192.37	178.49	30.8	30.2	29.6	6.43	6.37	6.03

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

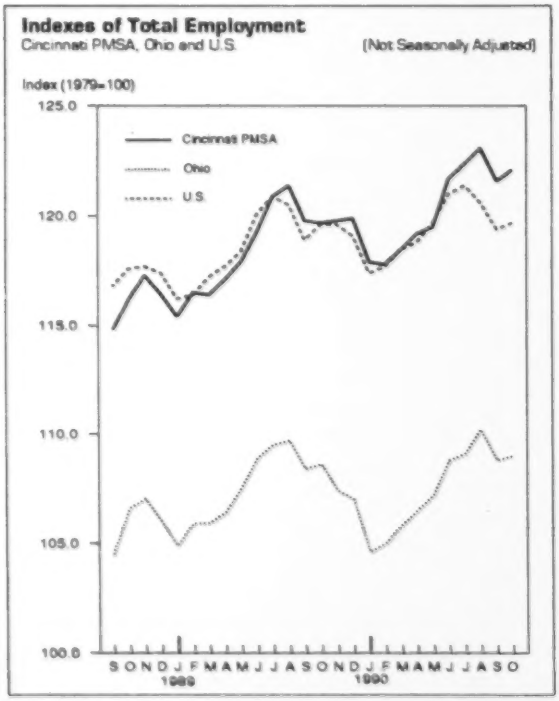
Cincinnati Primary Metropolitan Statistical Area

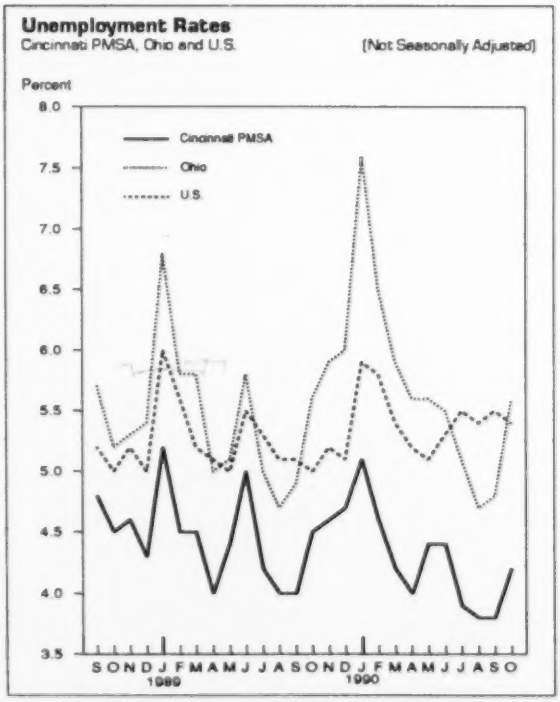


Nonagricultural payroll employment in the Cincinnati metropolitan area rose 1,000 above the October level to 762,500 in November 1990. The workforce in service-producing industries added 1,700 jobs. Increased hiring of temporary employees in retail trade outweighed seasonal reductions in services. Employment in goods-producing industries declined 700 over the month to 186,400. Production cutbacks among manufacturers of durable goods and less business in construction negated scattered increases in nondurable-goods manufacturing. Factory production workers averaged $12.23 per hour, up slightly from October. Their average workweek of 43.3 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 18,800 between November 1989 and November 1990. Expansion in service-producing industries contributed 97.3 percent of the gain. Primary growth areas were retail trade (+6,900) and services (+5,300). Noteworthy gains were posted in local government, transportation and public utilities, and wholesale trade. Improvements in manufacturing raised employment in goods-producing industries 400 over the year. Growth in printing and publishing and chemicals and allied products more than offset reductions in electronic and other electric equipment and industrial machinery and equipment.

Seasonally adjusted employment in the Cincinnati area totaled 756,000 in November 1990, unchanged from October. Nominal increases in construction, transportation and public utilities, and retail trade counterbalanced a decline in services. Since November 1989, total payroll employment advanced 19,000. A major portion of the growth occurred in retail trade, services, government, and transportation and public utilities.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$ 7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
800.4	768.8	31.6	3.9	July	754.7	148.7	93.3	516.86	43.0	12.02
803.6	773.5	30.2	3.8	August	756.1	148.9	93.5	529.83	43.5	12.18
793.9	763.9	30.1	3.8	September	760.8	149.8	94.5	529.48	43.4	12.20
800.8	767.1	33.7	4.2	October	761.5	150.0	94.8	526.25	43.1	12.21
INA	INA	INA	INA	November	762.5	149.8	94.7	529.56	43.3	12.23

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
754	184	36	148	August	570	41	50	152	43	190	94
753	184	35	148	September	569	41	50	151	43	191	92
756	184	34	149	October	572	41	50	151	43	194	93
756	184	35	149	November	572	42	50	152	43	193	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	762.5	761.5	743.8	1.0	18.8
Goods-Producing Industries[e]	186.4	187.1	186.0	-.7	.4
Construction	36.1	36.7	36.0	-.5	.1
Manufacturing	149.8	150.0	149.5	-.2	.3
Durable Goods[f]	79.9	80.4	81.1	-.6	-1.2
Fabricated Metal Products	12.4	12.4	12.5	.0	-.1
Fabricated Structural Metal Products	4.7	4.7	4.6	.0	.1
Industrial Machinery and Equipment	19.1	19.3	19.5	-.2	-.4
Electronic and Other Electric Equipment	7.5	7.6	8.0	-.1	-.5
Transportation Equipment	24.8	24.9	24.7	-.1	.2
Motor Vehicles and Equipment	5.0	5.0	5.0	.0	.0
Instruments and Related Products	3.5	3.5	3.8	.0	-.2
Nondurable Goods[g]	69.9	69.5	68.5	.4	1.5
Food and Kindred Products	12.3	12.3	12.5	.0	-.1
Beverages	3.0	3.0	2.9	.0	.0
Apparel and Other Textile Products	3.6	3.4	3.7	.2	-.1
Paper and Allied Products	6.2	6.1	6.0	.1	.2
Printing and Publishing	15.2	15.0	14.5	.2	.7
Commercial Printing	6.8	6.6	6.3	.1	.4
Chemicals and Allied Products	22.9	23.0	22.3	-.1	.6
Rubber and Miscellaneous Plastics Products	7.1	7.0	6.9	.0	.2
Service-Producing Industries	576.1	574.5	557.8	1.7	18.3
Transportation and Public Utilities	41.9	41.8	40.5	.1	1.4
Transportation	25.4	25.3	24.2	.1	1.2
Trucking and Warehousing	11.5	11.4	11.1	.1	.4
Transportation by Air	7.0	6.9	6.3	.1	.7
Communications, Electric, Gas Services	16.4	16.5	16.3	.0	.2
Communications	9.6	9.6	9.9	.0	-.2
Wholesale Trade	49.8	49.7	48.6	.1	1.2
Wholesale Trade-Durable Goods	29.1	29.2	28.8	-.1	.3
Retail Trade	155.3	152.5	148.4	2.8	6.9
General Merchandise Stores	24.5	23.2	23.1	1.4	1.5
Finance, Insurance, and Real Estate	43.2	43.1	42.6	.1	.6
Finance	17.8	17.7	17.3	.1	.5
Depository Institutions	13.9	13.9	13.5	.0	.4
Commercial Banks	9.9	9.8	9.4	.1	.5
Insurance	17.0	16.9	17.1	.1	-.1
Insurance Carriers	14.2	14.1	14.3	.1	-.1
Life Insurance	6.7	6.7	6.8	.0	-.1
Fire, Marine, and Casualty Insurance	5.4	5.4	5.1	.1	.4
Services	191.5	193.6	186.2	-2.1	5.3
Hotels and Other Lodging Places	7.6	7.7	7.4	-.1	.2
Personal Services	8.6	8.7	8.4	.0	.3
Business Services	38.4	38.8	37.1	-.4	1.2
Services to Buildings	6.1	6.2	5.9	.0	.2
Computer and Data Processing Services	5.1	5.0	4.6	.1	.5
Amusements, Including Motion Pictures	11.0	12.6	11.5	-1.6	-.6
Health Services	58.9	58.7	56.9	.2	2.1
Nursing and Personal Care Facilities	11.3	11.3	11.0	.0	.3
Hospitals	28.0	27.9	27.2	.1	.8
Legal Services	4.8	4.8	4.5	.0	.3
Educational Services	7.3	7.2	7.4	.1	-.1
Social Services	12.7	12.6	12.3	.1	.4
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.4	17.5	16.4	-.1	1.0
Engineering and Architectural Services	5.9	6.0	5.6	-.1	.3
Government	94.5	93.8	91.5	.7	3.0
Federal Government	15.9	15.8	15.6	.0	.3
State Government	21.5	21.1	21.2	.3	.3
State Government Education[h]	13.4	13.0	13.1	.4	.3
Local Government	57.2	56.8	54.8	.4	2.4
Local Government Education	32.6	32.2	31.3	.4	1.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

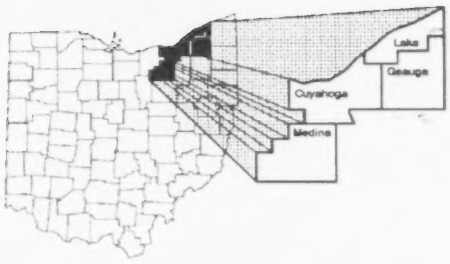
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$529.56	$526.25	$511.13	43.3	43.1	43.5	$12.23	$12.21	$11.75
Durable Goods[f]	531.57	524.10	517.87	43.5	43.1	44.3	12.22	12.16	11.69
Fabricated Metal Products	458.92	445.55	426.38	44.0	42.8	43.2	10.43	10.41	9.87
Fabricated Structural Metal Products	530.38	526.89	481.09	46.0	45.5	45.3	11.53	11.58	10.62
Industrial Machinery and Equipment	488.78	477.84	476.97	42.8	42.1	43.4	11.42	11.35	10.99
Electronic and Other Electric Equipment	391.13	387.73	369.96	40.7	40.6	40.7	9.61	9.55	9.09
Transportation Equipment	817.19	824.91	841.78	47.1	47.6	49.4	17.35	17.33	17.04
Motor Vehicles and Equipment	846.40	954.02	936.96	45.9	50.8	51.2	18.44	18.78	18.30
Instruments and Related Products	428.70	424.51	382.07	43.7	43.9	46.2	9.81	9.67	8.27
Nondurable Goods[g]	528.77	528.41	502.58	43.2	43.1	42.7	12.24	12.26	11.77
Food and Kindred Products	508.26	496.40	509.68	43.0	42.5	43.9	11.82	11.68	11.61
Beverages	565.94	557.19	559.76	41.4	41.0	42.6	13.67	13.59	13.14
Apparel and Other Textile Products	273.20	272.84	248.84	40.0	39.6	38.7	6.83	6.89	6.43
Paper and Allied Products	478.47	466.99	471.32	43.3	42.3	43.4	11.05	11.04	10.86
Printing and Publishing	540.51	522.04	504.42	43.0	42.1	42.0	12.57	12.40	12.01
Commercial Printing	593.46	546.84	521.02	46.4	44.1	43.6	12.79	12.40	11.95
Chemicals and Allied Products	649.15	651.48	597.17	44.1	43.9	42.9	14.72	14.84	13.92
Rubber and Miscellaneous Plastics Products	396.57	455.65	408.50	41.7	46.4	43.0	9.51	9.82	9.50
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	615.09	604.71	583.20	40.6	40.1	40.0	15.15	15.08	14.58
Communications	590.92	592.88	574.94	38.8	38.7	38.9	15.23	15.32	14.78
Wholesale Trade	446.16	448.21	431.82	39.8	39.7	39.4	11.21	11.29	10.96
Retail Trade[i]	178.44	177.17	172.20	28.1	27.9	28.7	6.35	6.35	6.00
General Merchandise Stores	215.20	218.60	204.76	29.2	29.5	30.2	7.37	7.41	6.78
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	300.09	304.89	299.77	....	....	....	.....	.....	.....
Commercial Banks	268.43	275.69	271.97	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	418.44	416.52	405.94	....	....	....	.....	.....	.....
Life Insurance	418.11	416.87	416.60	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	437.82	436.08	418.88	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	435.21	435.89	414.35	32.6	32.7	32.6	13.35	13.33	12.71
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	655.59	650.35	644.18	41.0	40.8	40.9	15.99	15.94	15.75

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

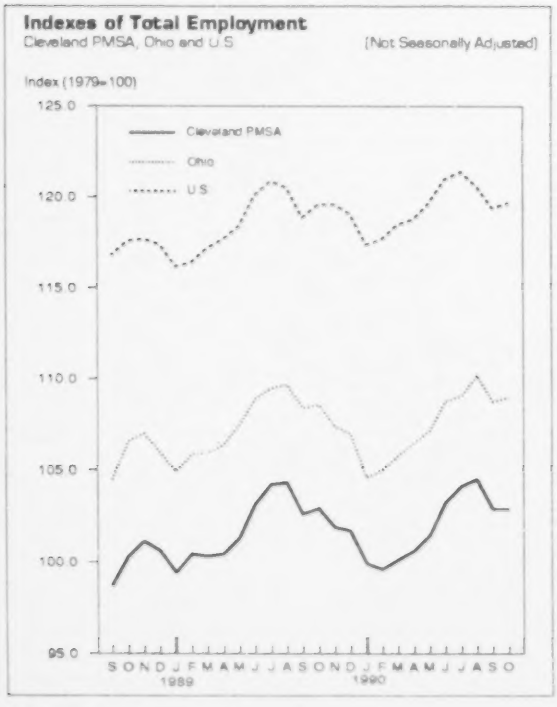
Cleveland Primary Metropolitan Statistical Area

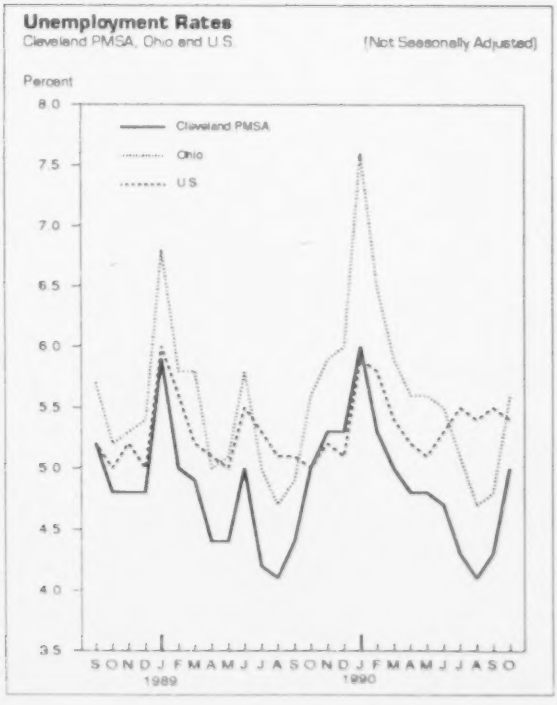


Nonfarm wage and salary employment in the Cleveland metropolitan area dropped 1,000 below the October level to 962,700 in November 1990. Temporary shutdowns in manufacturing, especially transportation equipment and fabricated metal products, and seasonal layoffs in construction lowered employment in goods-producing industries 3,100 to 241,800. The number of jobs in the service-producing sector rose 2,000 over the month. More business in retail trade, particularly general merchandise stores, and the return of nonfaculty personnel in local schools outweighed declines in services. Manufacturing production workers averaged $12.16 per hour, down 13 cents. Their average workweek of 42.7 hours was 0.2 hours shorter.

Nonagricultural payroll employment advanced 13,500 between November 1989 and November 1990. The improvement was concentrated in service-producing industries. Leading areas of expansion were services (+7,200) and retail trade (+5,500). Noteworthy growth was posted in wholesale trade. Employment in goods-producing industries declined 2,300 during the period chiefly due to cutbacks in manufacturing. Current temporary shutdowns in transportation equipment and fabricated metal products and over-the-year reductions in industrial machinery and equipment overshadowed increases in nondurable-goods manufacturing and construction.

Seasonally adjusted employment in the Cleveland area declined 3,000 from October to 954,000 in November 1990 as decreased production in manufacturing negated an increase in services. Since November 1989, total payroll employment advanced 13,000. Expansion in services, retail trade, and wholesale trade outweighed the effects of current temporary layoffs in manufacturing.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$ 8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
967.6	925.6	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14
968.6	929.3	39.3	4.1	August	960.2	205.6	130.8	518.38	42.7	12.14
955.4	914.6	40.7	4.3	September	964.4	207.0	132.7	530.56	43.1	12.31
963.5	915.0	48.5	5.0	October	963.7	207.2	132.8	527.24	42.9	12.29
INA	INA	INA	INA	November	962.7	205.0	130.7	519.23	42.7	12.16

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
953	241	34	206	August	712	43	69	166	58	262	115
957	241	34	206	September	716	43	69	166	58	261	120
957	241	34	207	October	715	43	69	166	58	260	120
954	239	34	204	November	716	43	69	166	58	261	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	962.7	963.7	949.2	-1.0	13.5
Goods-Producing Industries[e]	241.8	244.8	244.0	-3.1	-2.3
Construction	35.8	36.8	35.2	-1.0	.6
Special Trade Contractors	24.6	25.0	24.4	-.4	.2
Manufacturing	205.0	207.2	207.9	-2.1	-2.9
Durable Goods[f]	138.8	140.8	142.4	-2.0	-3.6
Stone, Clay, and Glass Products	3.8	3.8	3.5	.0	.3
Primary Metal Industries	20.7	20.8	21.3	.0	-.5
Iron and Steel Foundries	4.3	4.2	4.6	.0	-.3
Fabricated Metal Products	33.7	34.6	34.3	-.9	-.6
Screw Machine Products, Bolts, etc.	5.0	5.0	5.1	-.1	-.2
Metal Forgings and Stampings	10.4	11.1	11.0	-.7	-.6
Industrial Machinery and Equipment	32.5	32.6	33.9	-.1	-1.3
Metalworking Machinery	12.9	12.9	13.0	.0	-.1
Electronic and Other Electric Equipment	15.2	15.2	15.6	.0	-.4
Electrical Industrial Apparatus	4.2	4.3	4.5	.0	-.2
Electric Lighting and Wiring Equipment	5.1	5.0	5.3	.0	-.2
Transportation Equipment	18.0	19.1	19.2	-1.1	-1.2
Motor Vehicles and Equipment	11.0	12.0	12.2	-1.1	-1.3
Instruments and Related Products	7.2	7.2	7.1	.1	.1
Measuring and Controlling Devices	5.3	5.3	5.0	.0	.4
Nondurable Goods[g]	66.3	66.3	65.6	-.1	.7
Food and Kindred Products	6.7	6.7	6.7	.0	.0
Apparel and Other Textile Products	3.3	3.3	3.2	.1	.1
Paper and Allied Products	5.8	5.8	6.0	.0	-.1
Printing and Publishing	17.6	17.4	17.1	.2	.5
Chemicals and Allied Products	14.8	14.8	14.6	.0	.2
Rubber and Miscellaneous Plastics Products	12.1	12.4	12.0	-.3	.1
Miscellaneous Plastics Products	8.0	8.1	7.6	-.1	.4
Service-Producing Industries	720.9	718.9	705.1	2.0	15.8
Transportation and Public Utilities	43.4	43.3	43.2	.2	.2
Transportation	26.7	26.6	25.8	.2	1.0
Trucking and Warehousing	12.0	11.9	11.9	.1	.1
Transportation by Air	5.5	5.5	5.1	.0	.3
Communications, Electric, Gas Services	16.7	16.7	17.5	.0	-.7
Communications	9.9	10.0	10.2	.0	-.3
Electric, Gas, and Sanitary Services	6.8	6.7	7.2	.0	-.4
Wholesale Trade	68.6	68.8	67.1	-.2	1.6
Wholesale Trade-Durable Goods	46.8	46.9	45.7	-.2	1.1
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.1	.0	.0
Professional and Commercial Equipment	9.1	9.1	9.1	.0	.0
Retail Trade	169.1	166.9	163.6	2.2	5.5
General Merchandise Stores	22.6	21.6	22.4	1.0	.2
Finance, Insurance, and Real Estate	57.7	58.0	56.9	-.3	.8
Finance	27.8	28.0	27.7	-.2	.1
Depository Institutions	20.5	20.7	20.6	-.2	.0
Commercial Banks	12.8	13.0	13.0	-.1	-.2
Insurance	18.7	18.8	18.3	-.1	.4
Insurance Carriers	14.2	14.2	13.8	-.1	.4
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	.0	.1
Services	261.9	262.6	254.6	-.7	7.2
Business Services	54.8	55.2	52.8	-.4	2.0
Personnel Supply Services	20.9	21.3	20.3	-.4	.7
Computer and Data Processing Services	7.1	7.1	6.6	.0	.5
Amusements, Including Motion Pictures	10.9	11.3	10.4	-.5	.5
Health Services	80.3	80.3	79.1	.0	1.2
Nursing and Personal Care Facilities	13.7	13.6	13.4	.1	.3
Hospitals	43.6	43.7	43.7	-.1	-.1
Legal Services	9.8	9.8	9.5	.1	.3
Educational Services	19.3	18.9	18.9	.4	.4
Social Services	14.3	14.2	13.8	.0	.5
Residential Care	3.9	3.9	3.6	.0	.3
Engineering and Management Services	22.5	22.6	21.6	-.1	.9
Engineering and Architectural Services	8.1	8.2	8.0	-.1	.2
Accounting, Auditing, and Bookkeeping	6.7	6.7	6.4	-.1	.2
Management and Public Relations	4.9	4.9	4.5	.0	.3
Government	120.2	119.3	119.7	.8	.5
Federal Government	19.7	19.7	20.6	.1	-.9
State Government	8.0	8.1	7.7	-.1	.3
State Government Education[h]	3.1	3.2	2.8	.0	.3
Local Government	92.4	91.6	91.4	.8	1.0
Local Government Education	47.3	46.5	47.7	.9	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

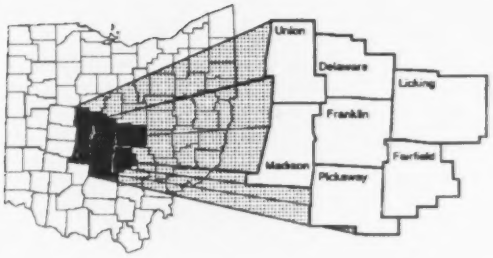
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$519.23	$527.24	$509.98	42.7	42.9	43.0	$12.16	$12.29	$11.86
Durable Goods[f]	550.78	559.41	541.01	43.3	43.5	43.7	12.72	12.86	12.38
Stone, Clay, and Glass Products	512.24	512.56	481.63	43.3	43.0	41.2	11.83	11.92	11.69
Primary Metal Industries	552.25	543.79	532.49	44.5	44.5	44.3	12.41	12.22	12.02
Iron and Steel Foundries	866.71	833.34	824.72	46.9	46.4	47.1	18.48	17.96	17.51
Fabricated Metal Products	545.70	568.54	547.27	42.8	43.7	43.4	12.75	13.01	12.61
Screw Machine Products, Bolts, etc.	494.81	518.93	524.40	41.2	42.5	43.7	12.01	12.21	12.00
Metal Forgings and Stampings	688.97	718.46	687.49	43.8	45.3	44.7	15.73	15.86	15.38
Industrial Machinery and Equipment	567.09	560.90	528.06	44.9	44.8	44.3	12.63	12.52	11.92
Metalworking Machinery	541.35	537.78	556.71	44.3	43.9	46.2	12.22	12.25	12.05
Electronic and Other Electric Equipment	438.68	425.08	418.18	41.7	40.6	40.6	10.52	10.47	10.30
Electrical Industrial Apparatus	459.90	444.93	422.71	43.8	42.7	41.2	10.50	10.42	10.26
Electric Lighting and Wiring Equipment	407.51	404.16	371.80	38.7	38.2	37.9	10.53	10.58	9.81
Transportation Equipment	706.38	746.30	724.14	42.4	43.9	44.7	16.66	17.00	16.20
Motor Vehicles and Equipment	768.35	819.50	805.35	41.6	43.8	45.5	18.47	18.71	17.70
Instruments and Related Products	456.35	441.32	444.78	41.6	40.6	42.0	10.97	10.87	10.59
Measuring and Controlling Devices	443.90	434.28	474.37	40.8	40.1	43.6	10.88	10.83	10.88
Nondurable Goods[g]	444.55	452.19	432.63	41.2	41.6	41.4	10.79	10.87	10.45
Food and Kindred Products	459.27	433.29	457.45	40.5	39.0	41.7	11.34	11.11	10.97
Apparel and Other Textile Products	379.82	409.25	373.74	38.6	40.6	39.3	9.84	10.08	9.51
Paper and Allied Products	509.18	534.63	481.31	44.2	45.5	43.4	11.52	11.75	11.09
Printing and Publishing	416.45	403.39	376.32	39.7	38.2	38.4	10.49	10.56	9.80
Chemicals and Allied Products	552.72	564.10	538.05	42.0	42.8	42.5	13.16	13.18	12.66
Rubber and Miscellaneous Plastics Products	373.09	396.95	379.53	41.5	43.1	42.5	8.99	9.21	8.93
Miscellaneous Plastics Products	388.74	409.97	397.23	42.3	43.8	43.7	9.19	9.36	9.09
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	500.90	513.72	439.73	35.2	35.7	32.5	14.23	14.39	13.53
Communications, Electric, Gas Services	662.84	652.80	621.71	42.3	41.9	41.2	15.67	15.58	15.09
Wholesale Trade	467.67	466.88	456.59	39.3	39.3	39.6	11.90	11.88	11.53
Retail Trade[i]	193.88	192.90	182.25	27.5	27.4	27.0	7.05	7.04	6.75
General Merchandise Stores	192.08	194.99	181.55	28.0	28.3	27.3	6.86	6.89	6.65
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	321.40	322.48	319.63	....	....	....	.....	.....	.....
Depository Institutions	292.59	293.48	293.54	....	....	....	.....	.....	.....
Commercial Banks	285.50	285.60	287.19	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	343.51	343.20	318.68	31.2	31.2	31.0	11.01	11.00	10.28
Nursing and Personal Care Facilities	253.93	252.34	224.05	33.5	33.6	32.9	7.58	7.51	6.81
Hospitals	374.83	373.60	351.83	30.4	30.3	30.2	12.33	12.33	11.65

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

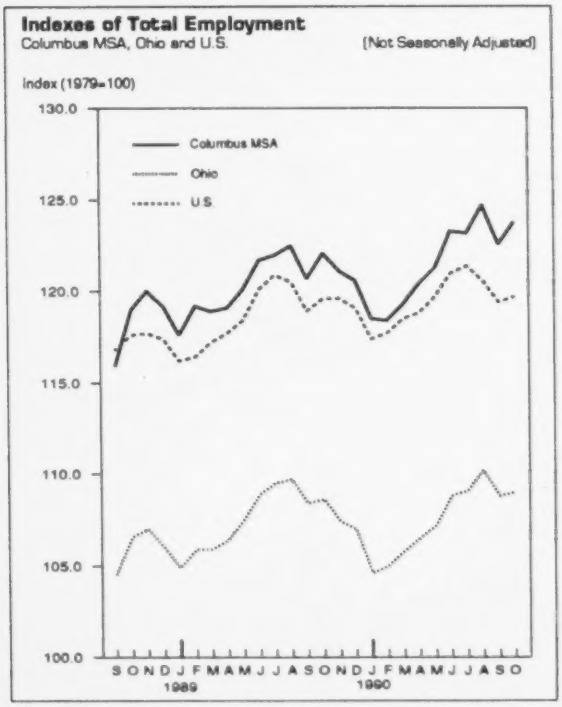
Columbus Metropolitan Statistical Area

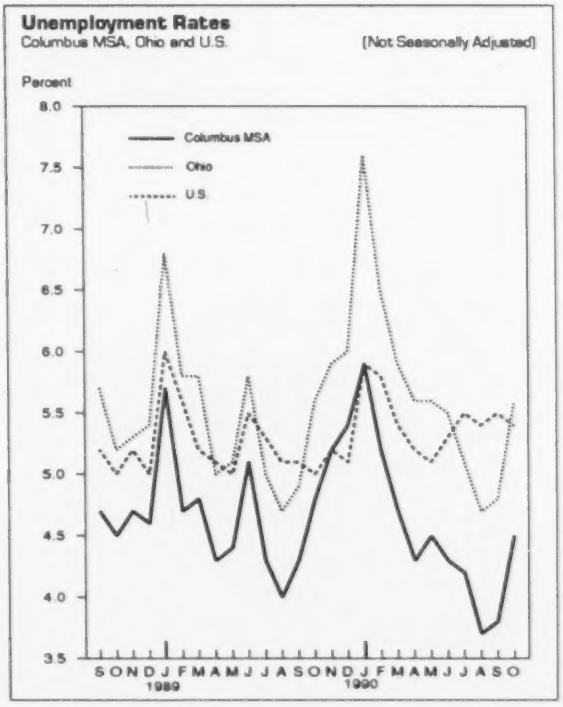


In the Columbus metropolitan area, nonfarm payroll employment increased 1,900 above the October level to 739,100 in November 1990. Seasonal hiring in retail trade, especially general merchandise stores, and the continued return of nonfaculty personnel in state and local schools and colleges raised employment in service-producing industries 4,000. Temporary shutdowns in manufacturing, particularly fabricated metal products and stone, clay, and glass products, and seasonal layoffs in construction lowered employment in goods-producing industries 2,100 over the month to 137,200. Factory production workers averaged $12.63 per hour, up fractionally from October. Their average workweek was 0.5 hours longer at 42.6 hours.

Nonagricultural wage and salary employment advanced 22,400 between November 1989 and November 1990. Growth in the service-producing sector contributed 99.6 percent of the gain. Leading areas of expansion were services (+8,500) and retail trade (+7,300). Noteworthy improvements occurred in state and local government and in wholesale trade. The workforce in goods-producing industries increased 200 from the year-ago level as modest gains in construction employment outweighed reductions in manufacturing. Production cutbacks in fabricated metal products and instruments and related products negated growth in transportation equipment and food and kindred products.

Seasonally adjusted employment in the Columbus area rose 1,000 from October to 730,000 in November 1990. Improvements in services and government more than offset a decline in manufacturing. Since November 1989, nonfarm payroll employment advanced 23,000. A major portion of the growth was posted in services (+8,000), retail trade (+7,000), and government (+4,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
742.4	711.6	30.8	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
747.6	720.2	27.4	3.7	August	726.4	105.5	70.3	515.41	41.7	12.36
736.6	708.3	28.3	3.8	September	730.2	106.0	70.9	529.61	42.2	12.55
748.5	714.9	33.6	4.5	October	737.2	106.6	71.0	530.88	42.1	12.61
INA	INA	INA	INA	November	739.1	105.2	69.9	538.04	42.6	12.63

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
730	137	30	105	August	593	31	38	153	61	181	128
728	136	30	105	September	592	32	38	152	61	181	128
729	137	30	106	October	593	32	38	152	61	181	128
730	136	30	105	November	594	32	38	152	61	182	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	739.1	737.2	716.6	1.9	22.4
Goods-Producing Industries[e]	137.2	139.3	137.0	-2.1	.2
Construction	31.0	31.8	30.3	-.8	.7
Manufacturing	105.2	106.6	105.9	-1.3	-.6
Durable Goods[f]	65.4	66.5	66.6	-1.1	-1.2
Stone, Clay, and Glass Products	10.1	10.4	10.1	-.3	.0
Glass and Glassware, Pressed or Blown	3.5	3.6	3.6	-.1	-.1
Fabricated Metal Products	8.9	9.6	10.0	-.7	-1.1
Industrial Machinery and Equipment	9.9	9.9	9.6	.0	.3
Electronic and Other Electric Equipment	9.1	9.2	9.4	.0	-.2
Transportation Equipment	14.6	14.6	14.0	.0	.6
Motor Vehicles and Equipment	13.5	13.5	13.4	.0	.1
Instruments and Related Products	4.3	4.4	4.8	-.1	-.5
Nondurable Goods[g]	39.8	40.1	39.3	-.2	.5
Food and Kindred Products	11.3	11.4	10.7	-.1	.6
Dairy Products	4.6	4.6	3.9	-.1	.6
Printing and Publishing	11.2	11.1	10.9	.1	.3
Chemicals and Allied Products	6.7	6.8	6.8	.0	-.1
Rubber and Miscellaneous Plastics Products	6.4	6.5	6.4	-.1	.0
Service-Producing Industries	601.9	597.9	579.6	4.0	22.3
Transportation and Public Utilities	32.0	32.0	31.3	.0	.7
Transportation	19.8	19.8	19.0	.0	.8
Trucking and Warehousing	14.3	14.2	13.5	.1	.8
Communications, Electric, Gas Services	12.2	12.2	12.3	.0	.0
Communications	7.6	7.5	7.7	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.7	38.6	37.4	.1	1.3
Wholesale Trade-Durable Goods	24.8	24.7	24.2	.1	.6
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.1
Machinery, Equipment, and Supplies	5.5	5.6	5.5	.0	.1
Wholesale Trade-Nondurable Goods	13.9	13.9	13.3	.1	.7
Retail Trade	156.2	153.9	148.9	2.3	7.3
General Merchandise Stores	23.1	22.1	22.7	1.0	.4
Food Stores	17.3	17.1	17.1	.2	.2
Automotive Dealers and Service Stations	14.9	15.1	14.3	-.2	.6
Finance, Insurance, and Real Estate	60.8	60.8	60.0	.0	.8
Finance	24.1	24.0	23.8	.1	.3
Depository Institutions	14.4	14.4	14.3	.0	.1
Commercial Banks	12.4	12.4	11.9	.0	.5
Insurance	27.8	27.7	27.6	.1	.2
Insurance Carriers	23.9	23.8	23.7	.1	.2
Services	182.9	182.9	174.4	.0	8.5
Business Services	40.3	40.2	37.5	.2	2.8
Personnel Supply Services	15.5	15.3	13.7	.2	1.7
Health Services	47.5	47.5	45.3	.0	2.2
Nursing and Personal Care Facilities	8.3	8.3	8.2	.0	.1
Hospitals	22.0	22.0	20.9	.0	1.1
Legal Services	4.7	4.6	4.5	.1	.1
Educational Services	7.7	7.6	8.1	.1	-.4
Social Services	13.4	13.2	12.9	.2	.5
Engineering and Management Services	18.5	18.5	17.7	.0	.9
Engineering and Architectural Services	4.7	4.7	4.4	.0	.4
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	.0	.1
Research and Testing Services	6.2	6.2	6.1	-.1	.1
Government	131.2	129.7	127.5	1.5	3.7
Federal Government	15.3	15.3	16.1	.0	-.9
State Government	58.5	57.7	55.9	.8	2.6
State Government Education[h]	25.4	24.7	23.7	.7	1.7
Local Government	57.4	56.7	55.6	.7	1.9
Local Government Education	35.1	34.4	33.9	.7	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

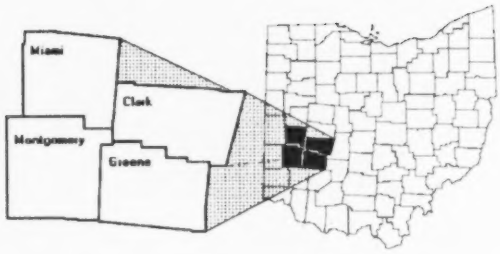
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]
Manufacturing	$538.04	$530.88	$519.82	42.6	42.1	42.4	$12.63	$12.61	$12.26
Durable Goods[f]	554.27	546.07	533.38	42.9	42.2	42.5	12.92	12.94	12.55
Stone, Clay, and Glass Products	523.50	518.02	519.59	42.7	42.6	42.8	12.26	12.16	12.14
Glass and Glassware, Pressed or Blown	470.26	477.00	463.78	42.1	42.4	42.2	11.17	11.25	10.99
Fabricated Metal Products	510.79	522.29	515.00	40.7	40.3	41.2	12.55	12.96	12.50
Industrial Machinery and Equipment	559.73	543.48	498.12	44.6	43.9	42.0	12.55	12.38	11.86
Electronic and Other Electric Equipment	546.94	546.54	512.25	42.3	42.4	42.3	12.93	12.89	12.11
Transportation Equipment	665.11	665.56	648.93	44.4	44.4	44.6	14.98	14.99	14.55
Motor Vehicles and Equipment	662.20	661.13	651.73	44.0	43.9	44.7	15.05	15.06	14.58
Instruments and Related Products	444.80	407.12	411.83	41.3	38.7	40.1	10.77	10.52	10.27
Nondurable Goods[g]	507.31	502.38	491.21	42.1	41.9	42.2	12.05	11.99	11.64
Food and Kindred Products	455.17	447.53	427.84	42.9	42.3	41.7	10.61	10.58	10.26
Dairy Products	587.88	607.51	637.71	42.6	43.8	45.1	13.80	13.87	14.14
Printing and Publishing	576.11	600.08	557.52	40.6	42.2	40.4	14.19	14.22	13.80
Chemicals and Allied Products	706.28	686.87	674.06	44.9	44.2	45.3	15.73	15.54	14.88
Rubber and Miscellaneous Plastics Products	389.09	380.84	403.62	40.7	40.3	43.4	9.56	9.45	9.30
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	421.36	436.70	374.34	33.1	33.8	29.2	12.73	12.92	12.82
Communications, Electric, Gas Services	693.97	688.97	609.86	44.4	43.8	41.6	15.63	15.73	14.66
Communications	646.50	603.69	601.06	42.2	39.9	41.0	15.32	15.13	14.66
Electric, Gas, and Sanitary Services	770.88	827.15	623.48	48.0	50.1	42.5	16.06	16.51	14.67
Wholesale Trade	411.72	409.62	397.32	39.1	38.9	38.5	10.53	10.53	10.32
Retail Trade[i]	187.01	183.33	183.02	27.3	27.0	27.9	6.85	6.79	6.56
General Merchandise Stores	203.50	210.00	193.05	27.5	28.0	28.1	7.40	7.50	6.87
Food Stores	193.44	188.19	191.06	27.4	27.0	27.1	7.06	6.97	7.05
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	468.42	463.74	434.50	....	....	....	.....	.....	.....
Depository Institutions	300.60	300.43	286.69	....	....	....	.....	.....	.....
Commercial Banks	298.97	297.77	284.85	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	251.25	240.41	227.30	33.5	32.4	32.8	7.50	7.42	6.93
Hospitals	410.64	396.65	394.34	34.8	33.7	34.5	11.80	11.77	11.43
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	501.93	494.85	488.56	39.0	38.6	39.4	12.87	12.82	12.40

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

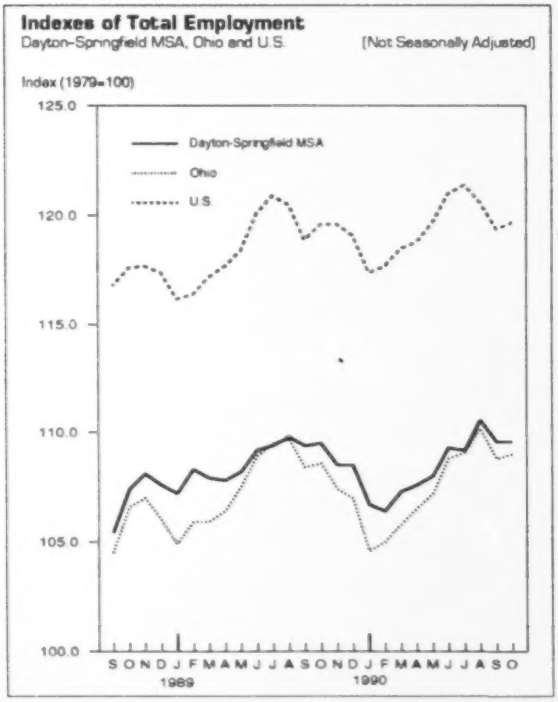
Dayton-Springfield Metropolitan Statistical Area

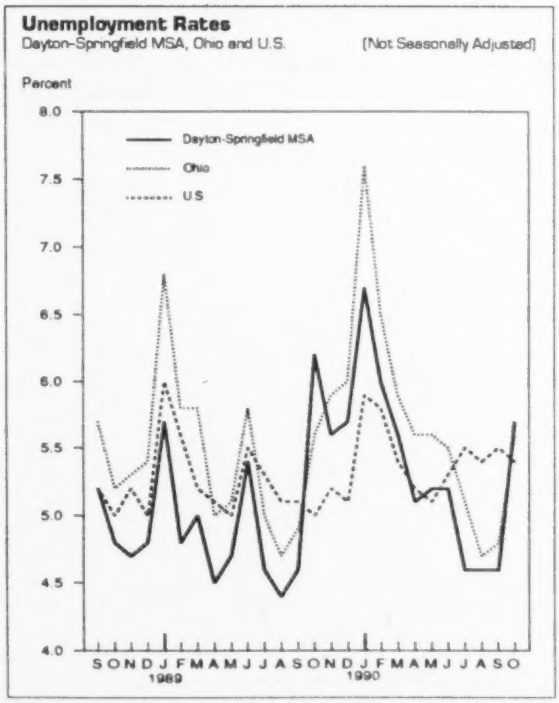


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area totaled 463,200 in November 1990, up 700 from October. Seasonal hiring in retail trade, especially general merchandise stores, helped raise employment in service-producing industries 1,900. Employment in goods-producing industries declined 1,200 over the month to 121,900 due to reductions in manufacturing, particularly fabricated metal products and industrial machinery and equipment, and less business in construction. Factory production workers averaged $13.51 per hour, down 16 cents from October. Their average workweek of 41.7 hours was 0.8 hours shorter.

Nonfarm wage and salary employment advanced 7,900 between November 1989 and November 1990. Improvements in the service-producing sector contributed 91.1 percent of the gain. Leading growth industries were services, retail trade, and local government. Employment in goods-producing industries increased 700 from the year-ago level. Temporary shutdowns significantly reduced employment in transportation equipment in November 1989. Over-the-year production cutbacks in industrial machinery and equipment and fabricated metal products negated growth in paper and allied products. Construction employment declined 300.

Seasonally adjusted employment in the Dayton-Springfield area was unchanged from October at 457,000 in November 1990. Increases in transportation and public utilities and in services outweighed a decline in manufacturing. Since November 1989, total payroll employment advanced 8,000. Primary areas of expansion were services (+3,000) and retail trade (+2,000).





Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553 92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
478.5	456.5	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
484.6	462.4	22.2	4.6	August	456.7	104.7	67.4	557.19	41.8	13.33
480.5	458.2	22.3	4.6	September	462.4	104.8	68.0	590.04	43.1	13.69
485.5	458.1	27.4	5.7	October	462.5	104.3	67.9	580.98	42.5	13.67
INA	INA	INA	INA	November	463.2	103.4	67.1	563.37	41.7	13.51

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
460	122	17	104	August	338	19	22	82	18	118	80
458	122	17	104	September	336	19	22	82	18	118	78
457	121	17	104	October	336	18	21	82	18	118	78
457	121	17	103	November	336	19	21	82	18	119	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	463.2	462.5	455.2	.7	7.9
Goods-Producing Industries[e]	121.9	123.1	121.2	-1.2	.7
Construction	18.1	18.4	18.4	-.3	-.3
Manufacturing	103.4	104.3	102.3	-.9	1.1
Durable Goods[f]	73.5	74.3	72.8	-.8	.7
Fabricated Metal Products	8.1	8.4	8.6	-.3	-.5
Industrial Machinery and Equipment	30.1	30.3	31.5	-.2	-1.3
Metalworking Machinery	8.0	8.1	8.5	.0	-.4
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.8	3.9	3.9	-.1	-.1
Transportation Equipment	23.0	22.9	19.8	.0	3.2
Motor Vehicles and Equipment	19.9	19.9	16.7	.1	3.3
Nondurable Goods[g]	29.9	29.9	29.5	-.1	.3
Food and Kindred Products	2.7	2.7	2.9	.0	-.2
Paper and Allied Products	6.4	6.3	5.9	.1	.5
Printing and Publishing	9.0	9.1	9.2	-.1	-.2
Rubber and Miscellaneous Plastics Products	7.5	7.5	7.8	.0	-.2
Service-Producing Industries	341.3	339.4	334.1	1.9	7.2
Transportation and Public Utilities	18.7	18.6	17.9	.1	.8
Transportation	12.3	12.3	11.6	.1	.7
Trucking and Warehousing	6.8	6.8	6.5	.0	.3
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.5	21.5	21.3	.0	.1
Wholesale Trade-Durable Goods	14.9	14.9	14.9	.0	.0
Wholesale Trade-Nondurable Goods	6.5	6.6	6.4	.0	.2
Retail Trade	83.8	82.5	81.9	1.2	1.9
General Merchandise Stores	12.3	11.6	12.4	.7	.0
Finance, Insurance, and Real Estate	17.5	17.5	17.6	.0	-.1
Finance	9.4	9.3	9.5	.1	-.1
Depository Institutions	7.3	7.2	7.3	.1	.0
Insurance	4.5	4.5	4.4	.0	.1
Services	120.1	119.8	116.9	.3	3.2
Business Services	24.4	24.4	22.5	.0	1.9
Personnel Supply Services	7.4	7.4	6.5	.0	.9
Computer and Data Processing Services	5.6	5.6	5.1	.0	.6
Health Services	39.8	39.8	39.2	.1	.7
Nursing and Personal Care Facilities	7.3	7.2	7.2	.1	.1
Hospitals	20.2	20.3	20.1	.0	.1
Educational Services	9.3	9.0	9.8	.2	-.5
Social Services	6.1	6.0	6.0	.0	.0
Engineering and Management Services	10.2	10.2	9.8	.0	.4
Research and Testing Services	3.4	3.4	3.3	.0	.1
Government	79.8	79.4	78.4	.3	1.4
Federal Government	28.1	28.0	28.9	.1	-.8
State Government	7.7	7.7	7.4	.1	.4
State Government Education[h]	4.8	4.8	4.5	.1	.3
Local Government	44.0	43.8	42.1	.2	1.9
Local Government Education	28.2	27.9	27.4	.4	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

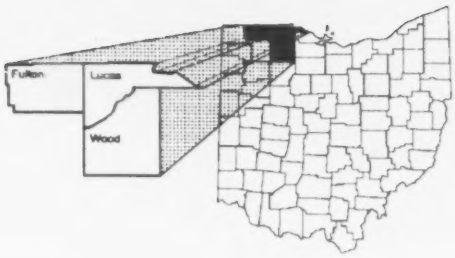
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]	Nov. 1990[p]	Oct. 1990[r]	Nov. 1989[r]
Manufacturing	$563.37	$580.98	$555.53	41.7	42.5	42.7	$13.51	$13.67	$13.01
Durable Goods[f]	589.24	608.14	572.76	42.3	43.1	43.0	13.93	14.11	13.32
Fabricated Metal Products	391.07	392.28	399.34	40.4	40.4	41.0	9.68	9.71	9.74
Industrial Machinery and Equipment	616.83	622.29	609.84	43.5	43.7	44.0	14.18	14.24	13.86
Metalworking Machinery	604.32	598.07	625.68	45.2	44.9	47.4	13.37	13.32	13.20
General Industrial Machinery	569.48	559.83	494.05	46.0	45.7	43.3	12.38	12.25	11.41
Electronic and Other Electric Equipment	393.34	379.67	353.87	43.9	42.9	41.1	8.96	8.85	8.61
Transportation Equipment	716.56	773.51	732.60	42.2	44.1	44.0	16.98	17.54	16.65
Motor Vehicles and Equipment	719.80	782.32	735.53	41.8	44.0	43.6	17.22	17.78	16.87
Nondurable Goods[g]	490.80	505.53	505.02	40.0	41.0	41.6	12.27	12.33	12.14
Food and Kindred Products	335.05	342.70	382.08	38.6	39.3	42.5	8.68	8.72	8.99
Paper and Allied Products	484.03	519.75	497.20	42.2	45.0	44.0	11.47	11.55	11.30
Printing and Publishing	455.48	455.90	473.45	38.6	38.8	40.5	11.80	11.75	11.69
Rubber and Miscellaneous Plastics Products	614.72	633.03	637.99	38.3	39.1	40.1	16.05	16.19	15.91
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	577.53	572.66	572.27	40.5	40.3	41.2	14.26	14.21	13.89
Communications	593.00	579.68	578.92	40.7	40.2	41.0	14.57	14.42	14.12
Wholesale Trade	404.00	399.52	397.37	39.3	39.4	39.5	10.28	10.14	10.06
Retail Trade[i]	178.28	179.28	169.80	27.9	28.1	28.3	6.39	6.38	6.00
General Merchandise Stores	178.98	188.88	164.82	27.2	27.9	26.8	6.58	6.77	6.15
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	284.96	280.60	274.54	.....	.....	.....	.....	.....	.....
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	418.14	413.31	407.86	34.7	34.5	35.1	12.05	11.98	11.62

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

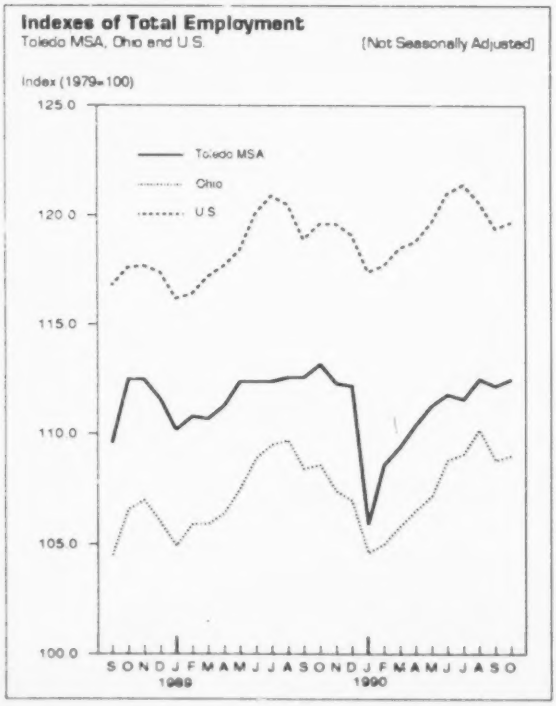
Toledo Metropolitan Statistical Area

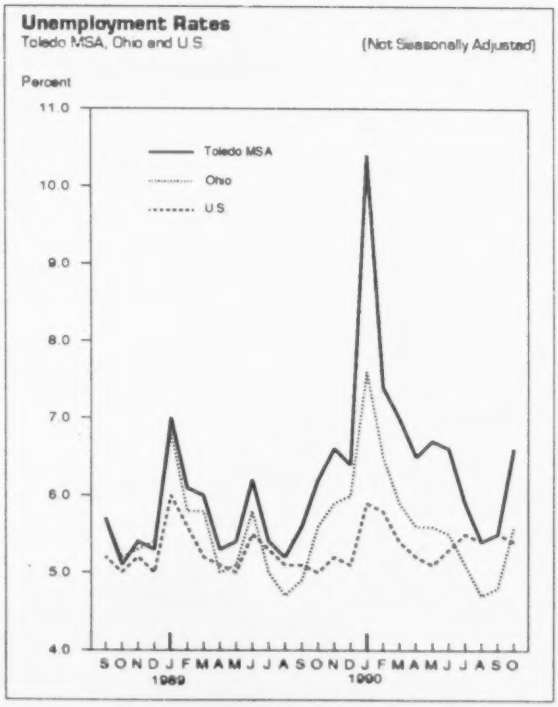


Nonfarm wage and salary employment in the Toledo metropolitan area rose 500 above the October level to 301,500 in November 1990. The workforce in service-producing industries gained 1,100 jobs. Increased hiring of temporary workers in retail trade and the return of nonfaculty personnel in local and state schools and colleges outweighed seasonal declines in services. Employment in goods-producing industries dropped 600 over the month to 72,300 due to less business in construction. Manufacturing employment was unchanged as increases in fabricated metal products counterbalanced decreases in food and kindred products. Factory production workers averaged $13.67 per hour, up 15 cents from October. Their average workweek was 0.4 hours longer at 43.5 hours.

Nonagricultural payroll employment advanced 2,200 between November 1989 and November 1990. The service-producing sector added 3,300 employees. A major portion of the improvement occurred in services (+1,800). Modest gains were posted in retail trade and wholesale trade. Scattered cutbacks in manufacturing lowered employment in goods-producing industries 1,100. Over-the-year reductions in transportation equipment, food and kindred products, and stone, clay, and glass products negated nominal growth in fabricated metal products.

Seasonally adjusted employment in the Toledo area totaled 296,000 in November 1990, on par with October. Since November 1989, total payroll employment advanced 2,000. Expansion in services and retail trade more than offset a decline in manufacturing.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
316.8	298.2	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46
317.9	300.7	17.2	5.4	August	294.8	60.0	43.2	584.87	43.1	13.57
317.5	299.9	17.5	5.5	September	300.8	60.7	43.9	610.94	44.4	13.76
321.9	300.6	21.3	6.6	October	301.0	59.1	42.5	582.71	43.1	13.52
INA	INA	INA	INA	November	301.5	59.1	42.4	594.65	43.5	13.67

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	43
298	72	13	60	September	225	14	16	60	12	79	43
296	71	12	59	October	225	15	16	60	12	79	43
296	71	12	59	November	225	15	16	60	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	301.5	301.0	299.3	.5	2.2
Goods-Producing Industries[e]	72.3	72.9	73.4	-.6	-1.1
Construction	13.0	13.5	12.9	-.6	.1
Manufacturing	59.1	59.1	60.3	0	-1.2
Durable Goods[f]	44.4	44.0	44.6	.4	-.2
Stone, Clay, and Glass Products	7.8	7.7	8.0	0	-.2
Primary Metal Industries	3.7	3.6	3.5	0	.1
Fabricated Metal Products	7.1	6.8	6.9	.3	.2
Metal Forgings and Stampings	2.5	2.2	2.6	.3	-.1
Industrial Machinery and Equipment	5.7	5.8	5.7	-.1	0
Transportation Equipment	13.2	13.2	13.9	0	-.8
Nondurable Goods[g]	14.7	15.2	15.7	-.4	-.9
Food and Kindred Products	3.5	3.9	3.9	-.4	-.4
Rubber and Miscellaneous Plastics Products	4.2	4.1	4.3	0	-.1
Service-Producing Industries	229.2	228.1	225.9	1.1	3.3
Transportation and Public Utilities	14.8	14.8	14.7	0	.1
Transportation	9.8	9.8	9.7	0	0
Communications, Electric, Gas Services	5.1	5.0	4.9	0	.1
Wholesale Trade	16.4	16.5	16.0	-.1	.4
Wholesale Trade-Durable Goods	10.8	10.9	10.6	-.1	.3
Wholesale Trade-Nondurable Goods	5.5	5.5	5.4	0	.1
Retail Trade	61.5	60.3	60.5	1.2	.9
General Merchandise Stores	9.0	8.3	9.2	.7	-.2
Finance, Insurance, and Real Estate	12.1	12.1	12.1	-.1	0
Finance	6.3	6.3	6.3	0	-.1
Insurance	3.7	3.7	3.7	0	0
Services	78.9	79.4	77.1	-.5	1.8
Business Services	13.8	13.9	13.4	-.1	.4
Personnel Supply Services	5.4	5.4	5.1	.1	.3
Health Services	28.1	28.1	27.7	0	.4
Nursing and Personal Care Facilities	4.1	4.1	4.2	0	-.1
Hospitals	15.2	15.2	15.1	0	.1
Engineering and Management Services	6.6	6.6	6.1	0	.5
Government	45.6	45.0	45.6	.6	0
Federal Government	2.6	2.6	2.7	0	-.1
State Government	17.8	17.6	17.6	.2	.2
State Government Education[h]	13.5	13.3	13.4	.2	.1
Local Government	25.3	24.9	25.3	.4	0
Local Government Education	15.2	14.8	15.0	.4	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

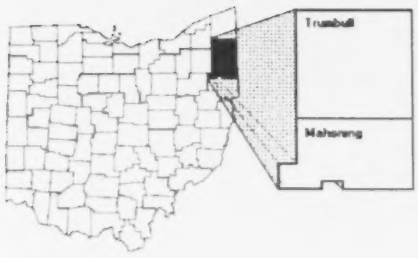
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$594.65	$582.71	$586.94	43.5	43.1	43.9	$13.67	$13.52	$13.37
Durable Goods[f]	594.78	595.81	592.18	43.1	43.3	43.8	13.80	13.76	13.52
Stone, Clay, and Glass Products	522.49	535.51	548.78	41.5	42.4	44.4	12.59	12.63	12.36
Primary Metal Industries	526.68	567.60	492.16	44.9	47.3	43.4	11.73	12.00	11.34
Fabricated Metal Products	515.68	500.63	482.54	44.0	43.8	43.2	11.72	11.43	11.17
Metal Forgings and Stampings	725.65	715.30	611.72	43.4	44.1	40.7	16.72	16.22	15.03
Industrial Machinery and Equipment	490.53	498.46	499.27	41.5	42.1	42.6	11.82	11.84	11.72
Transportation Equipment	776.91	763.98	767.05	43.5	42.8	44.7	17.86	17.85	17.16
Nondurable Goods[g]	594.94	543.15	556.70	44.8	42.6	43.8	13.28	12.75	12.71
Food and Kindred Products	773.22	649.57	617.31	49.0	44.4	44.7	15.78	14.63	13.81
Rubber and Miscellaneous Plastics Products	375.01	370.46	370.77	41.9	41.3	41.8	8.95	8.97	8.87
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	642.80	632.55	611.16	41.1	40.6	41.1	15.64	15.58	14.87
Wholesale Trade	414.00	417.35	409.70	40.0	39.9	39.7	10.35	10.46	10.32
Retail Trade[i]	169.91	169.83	165.92	26.8	27.0	27.2	6.34	6.29	6.10
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	349.90	353.69	355.28	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

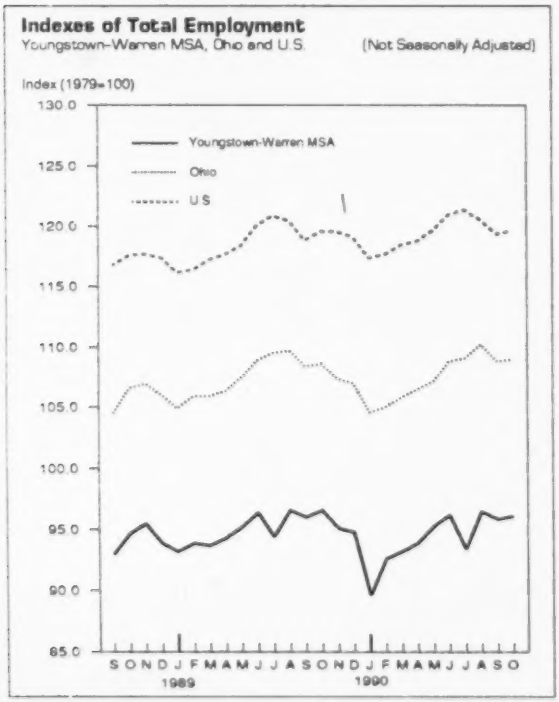
Youngstown-Warren Metropolitan Statistical Area

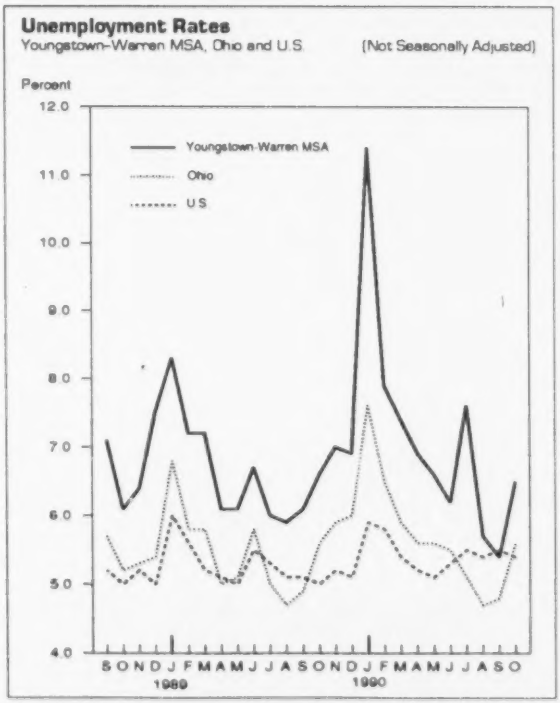


In the Youngstown-Warren metropolitan area, nonfarm payroll employment dropped 2,400 below the October level to 201,600. Temporary shutdowns in durable-goods manufacturing, especially transportation equipment and primary metal industries, and seasonal layoffs in construction lowered employment in goods-producing industries 2,500 over the month to 55,300. The number of jobs in service-producing industries increased 100 as more business in retail trade counterbalanced declines in services. Manufacturing production workers averaged $15.18 per hour, down 12 cents from October. Their average workweek of 43.3 hours was 0.1 hours shorter.

Nonagricultural wage and salary employment advanced 200 between November 1989 and November 1990. Employment in service-producing industries rose 3,200. Leading areas of expansion were retail trade (+1,500) and services (+1,200). The workforce in goods-producing industries fell 2,900 below the year-ago level due to cutbacks in durable-goods manufacturing. Significant over-the-year reductions occurred in transportation equipment (-1,500) and primary metal industries (-1,100). Construction employment posted a modest increase during the period.

Seasonally adjusted employment in the Youngstown-Warren area declined 2,000 from October to 199,000 in November 1990 due to decreased production in manufacturing. Over the year, total payroll employment was unchanged. Growth in retail trade, wholesale trade, services, and government counterbalanced the effects of current temporary shutdowns in manufacturing.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$ 9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.3	205.3	17.0	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
225.2	212.3	12.8	5.7	August	201.1	48.4	36.0	605.48	41.7	14.52
222.7	210.8	11.9	5.4	September	203.9	49.0	36.8	682.12	44.7	15.26
225.8	211.3	14.6	6.5	October	204.0	48.6	36.4	664.02	43.4	15.30
INA	INA	INA	INA	November	201.6	46.5	34.4	657.29	43.3	15.18

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25
202	57	8	48	September	145	8	12	43	9	48	25
201	56	8	48	October	145	8	12	44	9	48	25
199	54	8	46	November	145	8	12	44	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	201.6	204.0	201.3	-2.4	.2
Goods-Producing Industries[e]	55.3	57.8	58.2	-2.5	-2.9
Construction	8.3	8.7	8.1	-.4	.2
Manufacturing	46.5	48.6	49.7	-2.1	-3.2
Durable Goods[f]	41.1	43.3	44.4	-2.2	-3.3
Primary Metal Industries	17.2	18.0	18.2	-.9	-1.1
Blast Furnace and Basic Steel Products	6.0	6.0	5.6	.0	.4
Fabricated Metal Products	7.3	7.3	7.4	.0	-.1
Metal Forgings and Stampings	3.9	3.9	3.9	.0	.0
Industrial Machinery and Equipment	4.1	4.1	4.3	.0	-.2
Transportation Equipment	7.8	9.1	9.2	-1.3	-1.5
Nondurable Goods[g]	5.4	5.3	5.2	.1	.1
Service-Producing Industries	146.3	146.2	143.1	.1	3.2
Transportation and Public Utilities	7.9	8.0	7.9	.0	.0
Wholesale Trade	11.8	11.8	11.5	.0	.3
Wholesale Trade-Durable Goods	7.2	7.2	7.2	.0	.0
Wholesale Trade-Nondurable Goods	4.6	4.6	4.3	.0	.3
Retail Trade	44.4	43.8	42.9	.6	1.5
General Merchandise Stores	5.6	5.3	5.7	.3	-.1
Finance, Insurance, and Real Estate	8.6	8.6	8.7	0	-.1
Finance	4.7	4.7	4.7	.0	.0
Services	48.0	48.6	46.9	-.6	1.2
Health Services	21.2	21.4	21.2	-.2	.0
Nursing and Personal Care Facilities	4.8	4.8	4.8	.0	.1
Hospitals	10.6	10.8	10.8	-.1	-.1
Government	25.5	25.4	25.2	.1	.2
State Government	4.5	4.5	4.4	.0	.1
State Government Education[h]	3.0	3.0	3.0	.0	.1
Local Government	19.0	19.0	18.7	.1	.3
Local Government Education	12.4	12.3	12.3	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$657.29	$664.02	$617.58	43.3	43.4	43.4	$15.18	$15.30	$14.23
Durable Goods[f]	680.60	686.96	636.56	43.6	43.7	43.5	15.61	15.72	14.60
Primary Metal Industries	667.68	687.90	667.92	41.6	42.7	42.3	16.05	16.11	15.79
Blast Furnace and Basic Steel Products	690.11	690.58	646.20	47.3	47.3	45.7	14.59	14.60	14.14
Fabricated Metal Products	707.59	716.77	618.27	45.3	45.8	44.9	15.62	15.65	13.77
Metal Forgings and Stampings	915.32	925.54	735.24	49.0	49.6	46.3	18.68	18.66	15.88
Industrial Machinery and Equipment	519.58	516.25	534.32	41.7	41.3	43.3	12.46	12.50	12.34
Transportation Equipment	865.67	827.31	733.91	48.2	46.4	46.1	17.96	17.83	15.92
Nondurable Goods[g]	443.06	431.07	424.15	41.1	40.4	41.3	10.78	10.67	10.27
Wholesale Trade	384.29	380.90	380.81	38.2	37.9	38.7	10.06	10.05	9.84
Retail Trade[i]	179.69	179.40	182.47	26.9	27.1	27.9	6.68	6.62	6.54
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	229.61	234.41	218.56	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
In the Hamilton-Middletown metropolitan area, nonagricultural payroll employment totaled 98,100 in November 1990, up 100 from the October level. Seasonal hiring in retail trade raised employment in service-producing industries 300. Employment in goods-producing industries, at 27,300, declined 100 over the month. Construction and mining lost 100 jobs. Manufacturing employment was unchanged as increased production in primary metal industries negated the effect of a labor-management dispute in industrial machinery and equipment. Manufacturing production workers averaged $14.46 per hour, up 7 cents from October. Their average workweek was 0.2 hours shorter at 46.1 hours. Nonfarm wage and salary employment advanced 1,400 between November 1989 and November 1990. Service-producing industries added 2,400 jobs. Notable improvements occurred in local and state government, retail trade, services, and transportation and public utilities. Employment in the goods-producing sector fell 1,000 over the year as a result of decreased production among manufacturers of durable and nondurable goods, especially industrial machinery and equipment and paper and allied products. Construction and mining showed nominal growth.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area rose 100 from the October level to 75,400 in November 1990. The service-producing sector added 300 jobs primarily due to more business in retail trade. Declines in construction and mining outweighed nominal growth in manufacturing to lower employment in goods-producing industries 100 over the month to 26,400. Increased production in transportation equipment and fabricated metal products more than offset seasonal decreases in food and kindred products. Factory production workers averaged $13.48 per hour, up 21 cents from October. Their average workweek of 42.7 hours was 0.6 hours longer. Nonfarm wage and salary employment advanced 1,600 between November 1989 and November 1990. Employment in service-producing industries increased 2,300 over the year. Noteworthy expansion was posted in services and retail trade. Cutbacks in durable-goods manufacturing lowered employment in goods-producing industries 700. Reductions in transportation equipment and industrial machinery and equipment outweighed gains in fabricated metal products and food and kindred products. Slight improvements were posted in construction and mining.

Lorain–Elyria PMSA
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area fell 4,000 from the October level to 90,200 in November 1990. Temporary shutdowns in manufacturing, especially transportation equipment, lowered employment in goods-producing industries 3,800 over the month to 29,200. The service-producing sector lost 300 jobs due to decreases in services. Manufacturing production workers averaged $12.79 per hour, down 67 cents from October. Their average workweek was 0.5 hours longer at 43.2 hours. Nonagricultural payroll employment declined 1,500 between November 1989 and November 1990. The workforce in goods-producing industries dropped 2,400 chiefly due to current production cutbacks in durable-goods manufacturing, particularly transportation equipment. Expansion in retail trade and local government raised employment in service-producing industries 900 over the year.

Mansfield MSA
In the Mansfield metropolitan area, nonfarm wage and salary employment totaled 59,500 in November 1990, down 100 from the October level. Reductions in construction and mining lowered employment in goods-producing industries 100 to 19,900. Employment in the service-producing sector was unchanged over the month. Increased hiring of temporary employees in retail trade and an increase in nonteaching personnel in local schools counterbalanced seasonal decreases in services. Manufacturing production workers averaged $13.96 per hour, down 10 cents from October. Their average workweek of 41.2 hours was 0.7 hours shorter. Nonagricultural payroll employment declined 700 between November 1989 and November 1990. The workforce in goods-producing industries decreased 600 due to over-the-year production cutbacks among manufacturers of durable goods, especially electronic and other electric equipment and fabricated metal products. Service-producing industries lost 100 jobs during the period. Declines in local government and finance, insurance, and real estate negated expansion in retail trade.

Steubenville–Weirton MSA
Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area totaled 54,000 in November 1990, up 100 from October. Employment in service-producing industries rose 400. Improvements in retail trade, services, and local schools outweighed nominal declines in transportation and public utilities. Seasonal layoffs in construction and reductions in durable-goods manufacturing, especially primary metal industries, lowered goods-producing industries 300 over the month to 20,400. Factory production workers averaged $11.66 per hour, up 10 cents from October. Their average workweek was 0.7 hours longer at 43.7 hours. Nonfarm wage and salary employment advanced 1,900 between November 1989 and November 1990. The service-producing sector contributed 73.7 percent of the increase. Leading growth industries were services, local government, and retail trade. The workforce in goods-producing industries increased 500 over the year due to expansion in construction. Manufacturing employment was unchanged from the year-ago level as cutbacks among producers of durable goods, particularly primary metal industries, offset improvements in nondurable goods.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	133.2	132.1	133.6	1.1	-.5
Employment	125.3	125.6	125.8	-.3	-.6
Unemployment	7.9	6.5	7.8	1.4	.1
Unemployment Rate	5.9	4.9	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	98.1	97.9	96.7	.1	1.4
Goods–Producing Industries	27.3	27.4	28.3	-.1	-1.0
Construction and Mining	6.1	6.2	5.8	-.1	.2
Manufacturing	21.2	21.2	22.5	.0	-1.2
Durable Goods	14.5	14.5	15.6	.0	-1.1
Primary Metal Industries	7.1	6.9	7.2	.3	-.1
Fabricated Metal Products	2.4	2.4	2.5	.0	-.1
Industrial Machinery and Equipment	2.0	2.3	2.5	-.2	-.4
Nondurable Goods	6.7	6.6	6.9	.0	-.2
Paper and Allied Products	4.7	4.7	4.9	.0	-.3
Paper Mills	3.4	3.4	3.7	.0	-.3
Service–Producing Industries	70.8	70.5	68.4	.3	2.4
Transportation and Public Utilities	3.6	3.5	3.3	.1	.3
Wholesale Trade	5.8	5.7	5.7	.0	.1
Wholesale Trade–Durable Goods	4.0	4.0	3.9	.0	.1
Retail Trade	18.2	17.9	17.5	.3	.7
Food Stores	3.0	3.0	3.0	.0	.0
Finance, Insurance, and Real Estate	4.6	4.6	4.7	.0	-.2
Services	19.5	19.6	19.1	-.1	.5
Health Services	8.8	8.7	8.3	.0	.5
Government	19.2	19.2	18.1	.0	1.1
State Government (Includes Education)	8.0	8.0	7.7	.1	.4
Local Government	10.5	10.6	9.8	-.1	.7
Local Government Education	7.0	7.1	6.4	-.1	.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$666.61	$666.26	$590.50	46.1	46.3	44.6	$14.46	$14.39	$13.24
Durable Goods	695.83	695.53	593.61	46.7	46.9	44.2	14.90	14.83	13.43
Primary Metal Industries	772.97	802.03	646.07	48.1	49.6	44.1	16.07	16.17	14.65
Fabricated Metal Products	579.04	577.72	521.59	44.0	43.9	43.0	13.16	13.16	12.13
Industrial Machinery and Equipment	613.07	619.78	654.31	46.2	46.6	50.1	13.27	13.30	13.06
Nondurable Goods	596.30	593.60	588.16	44.7	44.8	45.7	13.34	13.25	12.87
Paper and Allied Products	634.23	625.94	615.80	46.6	46.4	46.9	13.61	13.49	13.13
Paper Mills	613.28	604.70	619.49	44.7	44.3	46.3	13.72	13.65	13.38
Wholesale Trade	437.72	427.18	431.39	41.1	40.8	41.6	10.65	10.47	10.37
Retail Trade[f]	180.41	176.25	166.44	28.5	27.8	28.5	6.33	6.34	5.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	79.7	79.6	78.6	.2	1.1
Employment	74.0	74.8	73.2	-.8	.8
Unemployment	5.7	4.7	5.4	1.0	.4
Unemployment Rate	7.2	6.0	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	75.4	75.2	73.8	.1	1.6
Goods-Producing Industries	26.4	26.5	27.1	-.1	-.7
Construction and Mining	3.4	3.7	3.3	-.2	.1
Manufacturing	23.0	22.9	23.8	.1	-.8
Durable Goods	16.6	16.4	17.5	.2	-.9
Fabricated Metal Products	3.0	2.9	2.8	.1	.2
Industrial Machinery and Equipment	3.9	3.9	4.2	.0	-.3
Transportation Equipment	7.2	6.9	7.6	.3	-.4
Motor Vehicles and Equipment	3.6	3.3	3.6	.2	-.1
Nondurable Goods	6.4	6.5	6.3	-.1	.1
Food and Kindred Products	1.9	2.0	1.8	-.1	.1
Rubber and Miscellaneous Plastics Products	2.1	2.2	2.1	.0	.0
Service-Producing Industries	49.0	48.7	46.7	.3	2.3
Transportation and Public Utilities	3.3	3.3	3.1	.0	.2
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	14.9	14.7	14.2	.2	.7
General Merchandise Stores	2.5	2.3	2.2	.2	.3
Finance, Insurance, and Real Estate	2.1	2.1	2.0	.0	.0
Services	15.5	15.5	14.4	.0	1.2
Health Services	6.8	6.7	6.4	.1	.4
Hospitals	3.2	3.2	3.0	.0	.1
Government	9.7	9.6	9.5	.0	.2
Local Government	7.2	7.2	7.1	.0	.2
Local Government Education	4.4	4.4	4.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$575.60	$558.67	$563.25	42.7	42.1	42.8	$13.48	$13.27	$13.16
Durable Goods	572.12	561.38	559.40	42.6	42.4	42.8	13.43	13.24	13.07
Fabricated Metal Products	363.37	377.73	370.66	40.6	41.6	41.6	8.95	9.08	8.91
Industrial Machinery and Equipment	488.78	482.47	464.46	42.1	41.7	40.6	11.61	11.57	11.44
Transportation Equipment	728.56	715.14	697.60	43.6	43.5	43.6	16.71	16.44	16.00
Motor Vehicles and Equipment	834.48	809.86	780.78	45.7	45.6	45.5	18.26	17.76	17.16
Nondurable Goods	586.52	550.94	575.72	43.0	41.3	42.9	13.64	13.34	13.42
Food and Kindred Products	409.10	378.02	373.73	43.2	41.0	40.8	9.47	9.22	9.16
Rubber and Miscellaneous Plastics Products	645.13	625.07	578.87	45.4	44.3	44.7	14.21	14.11	12.95
Wholesale Trade	377.30	368.05	376.35	38.5	38.1	38.6	9.80	9.66	9.75
Retail Trade[f]	182.54	181.10	190.28	29.3	29.4	30.3	6.23	6.16	6.28
General Merchandise Stores	174.78	179.20	159.38	28.1	28.4	26.3	6.22	6.31	6.06

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[i]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	118.6	118.6	118.8	.0	-.2
Employment	110.9	111.2	108.7	-.3	2.2
Unemployment	7.7	7.4	10.1	.4	-2.4
Unemployment Rate	6.5	6.2	8.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	90.2	94.2	91.6	-4.0	-1.5
Goods–Producing Industries	29.2	32.9	31.5	-3.8	-2.4
Construction and Mining	4.5	4.5	4.4	.0	.1
Manufacturing	24.7	28.4	27.2	-3.7	-2.5
Durable Goods	19.7	23.4	22.5	-3.7	-2.8
Primary Metal Industries	4.3	4.3	4.2	.0	.2
Fabricated Metal Products	4.1	4.1	4.3	.0	-.3
Transportation Equipment	3.8	7.6	6.5	-3.8	-2.7
Nondurable Goods	5.0	5.0	4.7	.0	.4
Service–Producing Industries	61.0	61.3	60.1	-.3	.9
Transportation and Public Utilities	3.5	3.5	3.5	.0	.0
Wholesale Trade	2.4	2.4	2.4	.0	.1
Retail Trade	17.5	17.5	17.0	.1	.5
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.0
Services	20.6	20.9	20.7	-.4	-.2
Health Services	8.6	8.7	8.5	.0	.2
Hospitals	4.1	4.1	4.1	.0	.0
Government	13.8	13.7	13.3	.1	.5
Local Government	11.7	11.6	11.4	.1	.4
Local Government Education	8.0	7.9	7.8	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$552.53	$574.74	$527.02	43.2	42.7	41.4	$12.79	$13.46	$12.73
Durable Goods	589.16	607.50	549.12	44.0	43.3	41.6	13.39	14.03	13.20
Primary Metal Industries	682.34	680.36	582.12	46.8	46.6	42.0	14.58	14.60	13.86
Fabricated Metal Products	427.55	440.63	420.88	42.5	43.8	43.3	10.06	10.06	9.72
Transportation Equipment	701.79	693.89	639.94	41.6	41.7	39.6	16.87	16.64	16.16
Nondurable Goods	395.00	398.56	407.43	39.5	39.5	40.5	10.00	10.09	10.06
Wholesale Trade	374.57	372.10	360.24	38.3	38.6	38.0	9.78	9.64	9.48
Retail Trade[f]	159.00	164.43	160.37	25.4	26.1	25.7	6.26	6.30	6.24

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	65.1	64.7	66.3	.5	-1.2
Employment	59.6	59.9	61.6	-.3	-1.9
Unemployment	5.5	4.7	4.7	.8	.8
Unemployment Rate	8.5	7.3	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	59.5	59.6	60.2	-.1	-.7
Goods-Producing Industries	19.9	20.0	20.6	-.1	-.6
Construction and Mining	2.3	2.3	2.2	-.1	.1
Manufacturing	17.7	17.7	18.4	.0	-.7
Durable Goods	15.7	15.7	16.4	.0	-.7
Fabricated Metal Products	5.3	5.3	5.6	.1	-.2
Electronic and Other Electric Equipment	3.0	3.0	3.4	.0	-.4
Nondurable Goods	2.0	2.0	2.0	.0	.0
Service-Producing Industries	39.5	39.6	39.6	.0	-.1
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	12.2	12.2	11.9	.1	.3
Finance, Insurance, and Real Estate	2.3	2.3	2.4	.0	-.1
Services	12.5	12.7	12.5	-.2	.0
Health Services	4.5	4.5	4.4	.0	.1
Government	7.3	7.2	7.5	.1	-.2
Local Government	5.5	5.4	5.8	.1	-.2
Local Government Education	4.1	4.0	4.0	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$575.15	$589.11	$548.14	41.2	41.9	42.1	$13.96	$14.06	$13.02
Durable Goods	592.42	610.49	563.68	40.8	41.7	41.6	14.52	14.64	13.55
Fabricated Metal Products	698.54	746.83	700.99	39.2	40.9	41.9	17.82	18.26	16.73
Electronic and Other Electric Equipment	479.83	458.43	457.80	42.5	41.6	42.0	11.29	11.02	10.90
Nondurable Goods	413.32	398.85	392.56	44.3	43.4	45.7	9.33	9.19	8.59
Wholesale Trade	336.80	327.55	318.94	40.0	39.8	38.8	8.42	8.23	8.22
Retail Trade[f]	173.99	171.08	160.11	27.4	26.9	27.0	6.35	6.36	5.93

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Oct. 1990[b]	Sep. 1990[c]	Oct. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.5	57.0	57.6	.5	.0
Employment	53.7	53.4	53.7	.3	.0
Unemployment	3.8	3.6	3.9	.2	-.1
Unemployment Rate	6.6	6.4	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Total	54.0	53.9	52.1	.1	1.9
Goods–Producing Industries	20.4	20.6	19.9	-.3	.5
Mining	1.0	1.0	1.0	.0	.0
Construction	2.0	2.2	1.5	-.2	.5
Manufacturing	17.3	17.5	17.4	-.1	.0
Durable Goods	15.6	15.8	15.9	-.2	-.3
Primary Metal Industries	12.4	12.5	12.5	-.2	-.1
Nondurable Goods	1.7	1.7	1.5	.0	.2
Service–Producing Industries	33.6	33.3	32.3	.4	1.4
Transportation and Public Utilities	3.3	3.4	3.3	-.1	.0
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.7	9.5	9.4	.2	.3
General Merchandise Stores	1.9	1.8	1.9	.1	.0
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	11.2	11.2	10.6	.1	.6
Health Services	4.7	4.7	4.5	.0	.1
Hospitals	2.4	2.5	2.4	-.1	.0
Government	6.4	6.3	5.9	.1	.4
Local Government	5.5	5.4	5.1	.1	.4
Local Government Education	3.5	3.4	3.3	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]
Manufacturing	$509.54	$497.08	$553.11	43.7	43.0	45.3	$11.66	$11.56	$12.21
Durable Goods	536.98	523.73	579.54	44.6	43.9	46.4	12.04	11.93	12.49
Primary Metal Industries	566.91	555.72	618.32	45.1	44.6	47.6	12.57	12.46	12.99
Nondurable Goods	227.98	212.73	193.13	34.7	33.5	31.1	6.57	6.35	6.21
Wholesale Trade	337.85	333.78	333.59	39.7	39.5	39.2	8.51	8.45	8.51
Retail Trade[f]	167.68	167.48	163.80	27.9	27.5	28.0	6.01	6.09	5.85

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	November 1990	October 1990	November 1989
New Applicants	28,229	33,373[a]	32,748
Applicants Active This Program Year	372,537	341,416	440,405
Counseling Interviews	788	765[a]	1,029
Tests Administered	711	1,123[a]	1,152
General Aptitude Tests	183	222[a]	138
Proficiency Tests	283	325	242
Specific Aptitude Tests	0	0	98
Referrals to Jobs	16,479	23,541	20,039
Placements	3,401	5,207	4,163
Job Openings Received	INA	INA	8,086
Job Openings Unfilled	18,234	20,365	18,544

INA – Information not available
[a] Revised

Selected Unemployment Insurance Activities

	Ohio		
	November 1990	October 1990	November 1989
Initial Claims	93,512	71,006	75,837
Continued Claims	399,633	362,692	345,699
First Payments	31,901	25,485	25,350
Last Payments	6,079	5,654	4,909
Average Weekly Claimants	88,898	75,216	74,713
Average Weekly Benefit Recipients	71,653	61,326	59,052
Weeks Compensated	332,705	277,397	281,033
Benefits Paid	$55,834,286	$46,233,956	$44,824,543
Average Weekly Payment	$172.22	$171.02	$168.20
Continued Claims for Survey Week	102,460	72,331	78,602
Insured Unemployment Rate	1.9	1.6	1.6
Net Contributions	$69,450,188	$28,147,539	$82,242,707
Active Employer Accounts	207,403	207,158	206,038

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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COLUMBUS OH 43216-1618

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Keith Ewald, Director, Labor Market Information Division at (614) 644-2689.

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Ohio Labor Market Information

Labor Market Review

December 1990

Summary. The seasonally adjusted unemployment rate in Ohio rose from 5.5 percent in November to 5.8 percent in December 1990. The national rate moved from 5.9 percent to 6.1 percent over the month. Total employment in Ohio increased 35,000 from November to 5,180,000 in December. There were 317,000 unemployed Ohioans in December, up 20,000 from November. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,938,000 in December, was up 3,000 from November due to increases in service-producing industries. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was down 2,000 from November to 1,321,000 in December. The decrease occurred in durable-goods manufacturing as declines of 1,000 were noted in stone, clay, and glass products and in primary metal industries. Nondurable-goods manufacturing employment was virtually unchanged from November. Mining, at 18,000, and construction, at 200,000, were also on par with their November employment levels.

Service-Producing Industries. There were 3,618,000 people employed in service-producing industries in December, up 5,000 from November. Gains in health services helped to increase employment in services 4,000 over the month. Transportation and public utilities and wholesale trade each rose 1,000. Little change in employment was seen in retail trade, finance, insurance, and real estate, or government.

Over the Year. Ohio's unemployment rate decreased from 6.1 percent in December 1989 to 5.8 percent in December 1990. The national rate rose from 5.3 percent to 6.1 percent during the same period. Total employment in Ohio was up 70,000 from December 1989, while total unemployment was 15,000 lower. Nonfarm payroll employment increased 76,000 over the year. Services added 47,000 jobs, while retail trade increased 19,000. Employment in government advanced 14,000 over the year. Wholesale trade, finance, insurance, and real estate, construction, and transportation and public utilities had small gains from December 1989. Declines in transportation equipment, industrial machinery and equipment, fabricated metal products, and electronic and other electric equipment helped to lower manufacturing employment 16,000 over the year. Mining employment was virtually unchanged.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $544.42 per week in December, down $3.42 from November. Their average workweek of 42.4 hours was 0.3 hours shorter. Several durable-goods industries had lower earnings due to less overtime. The most significant were fabricated structural metal products, iron and steel foundries, general industrial machinery, and blast furnace and basic steel products.

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

Benefits and Costs. There were 131,641 initial claims filed under the Ohio Unemployment Compensation Law in December, up 40.8 percent from November, and up 28.1 percent from December 1989. Total benefits paid rose 23.7 percent to $69.1 million. The average weekly benefit check of $176.02 was $3.80 higher than in November. The average weekly number of benefit recipients, at 96,004, increased 34.0 percent. At the end of December, there were 207,701 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 26,834 new job applicants in December, down 4.9 percent from November, and down 1.2 percent from December 1989. The Employment Services Division made 12,788 job referrals in December, down 22.4 percent from November. Total placements declined 2.9 percent over the month to 3,303.

Collection Method Alternatives For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

In This Issue

Summary 1
Seasonally Adjusted Series
  Current Data 3
  Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
  Historical Data 7
  Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Minor Metropolitan Areas 46
  Hamilton–Middletown PMSA Data 47
  Lima MSA Data 48
  Lorain–Elyria PMSA Data 49
  Mansfield MSA Data 50
  Steubenville–Weirton MSA Data 51

Technical Notes 52
Employment Service Activities and Unemployment Insurance Activities 53

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Dec. 1990	Nov. 1990	Dec. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,497	5,442	5,442	55	55	1.0	1.0
Employment	5,180	5,145	5,110	35	70	.7	1.4
Unemployment	317	297	332	20	-15	6.7	-4.5
Unemployment Rate	5.8	5.5	6.1				
Employer Survey Data[e]							
Total	4,938	4,935	4,862	3	76	.1	1.6
Goods-Producing Industries	1,321	1,322	1,334	-2	-14	-.1	-1.0
Mining	18	18	18	0	0	.6	-1.3
Coal Mining	7	7	8	0	0	-.4	-2.4
Oil and Gas Extraction	5	5	6	0	0	.4	-2.6
Construction	200	200	197	0	2	.0	1.1
General Building Contractors	47	47	47	0	0	.8	-.5
Heavy Construction, Except Building	22	23	23	0	-1	-1.5	-4.0
Special Trade Contractors	130	130	127	0	3	-.1	2.6
Manufacturing	1,103	1,105	1,119	-2	-16	-.2	-1.4
Durable Goods	728	730	748	-2	-20	-.3	-2.6
Lumber and Wood Products	23	23	23	0	1	.4	3.6
Furniture and Fixtures	15	15	16	0	0	.1	-2.0
Stone, Clay, and Glass Products	44	45	45	-1	-1	-1.5	-2.4
Primary Metal Industries	99	100	101	-1	-2	-1.2	-1.6
Fabricated Metal Products	132	132	135	0	-3	-.2	-2.4
Industrial Machinery and Equipment	163	163	168	0	-4	-.1	-2.6
Electronic and Other Electric Equipment	76	75	79	0	-3	.3	-4.3
Transportation Equipment	135	135	140	0	-5	-.1	-3.6
Instruments and Related Products	25	25	27	0	-1	.6	-4.1
Nondurable Goods	375	375	371	0	4	.0	1.0
Food and Kindred Products	65	64	63	0	1	.4	2.0
Apparel and Other Textile Products	15	15	15	0	0	.3	.7
Paper and Allied Products	38	38	38	0	0	-.5	1.2
Printing and Publishing	76	76	74	0	2	.2	2.7
Chemicals and Allied Products	67	67	66	0	2	.3	2.5
Rubber and Misc. Plastics Products	95	96	97	0	-2	-.3	-1.7
Service-Producing Industries	3,618	3,613	3,527	5	90	.1	2.6
Transportation and Public Utilities	221	220	218	1	2	.4	1.1
Transportation	131	130	128	1	3	.5	2.5
Communications, Electric, Gas Services	90	90	91	0	-1	.3	-.9

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Dec. 1990	Nov. 1990	Dec. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	274	273	268	1	6	.2	2.2
Wholesale Trade-Durable Goods	173	173	170	0	3	.1	1.7
Wholesale Trade-Nondurable Goods	101	101	98	0	3	.5	2.9
Retail Trade	938	938	919	0	19	.0	2.0
Building Materials and Garden Supplies	36	36	35	0	1	.5	2.9
General Merchandise Stores	126	126	126	0	-1	-.1	-.4
Food Stores	144	144	142	0	2	-.1	1.5
Automotive Dealers and Service Stations	102	102	101	0	1	-.1	.9
Apparel and Accessory Stores	53	54	50	0	4	-.2	7.8
Furniture and Homefurnishings Stores	34	34	33	0	1	-.5	3.8
Eating and Drinking Places	318	318	315	0	4	.0	1.2
Miscellaneous Retail	124	124	118	0	6	.1	5.3
Finance, Insurance, and Real Estate	257	258	255	0	3	-.1	1.1
Finance	121	121	120	0	1	-.3	.7
Depository Institutions	91	91	91	0	0	-.4	-.1
Insurance	93	93	92	0	1	.1	1.0
Real Estate	44	44	43	0	1	.1	2.4
Services	1,203	1,199	1,156	4	47	.3	4.0
Hotels and Other Lodging Places	39	39	38	0	1	.9	3.1
Personal Services	55	55	55	0	1	.7	1.2
Business Services	221	221	209	0	13	.2	6.0
Amusements, Including Motion Pictures	60	60	53	0	7	-.4	13.1
Health Services	404	402	390	2	14	.5	3.5
Legal Services	31	31	29	0	2	.3	5.4
Educational Services	61	61	60	0	1	.0	1.5
Social Services	77	77	74	0	3	.6	3.7
Membership Organizations	81	81	80	0	1	.2	1.4
Engineering and Management Services	90	90	87	0	3	.2	2.9
Government	725	725	711	0	14	.0	2.0
Federal Government	93	94	96	-1	-3	-.7	-3.3
State Government	166	166	160	0	6	.0	3.6
State Government Education	88	88	84	0	4	-.1	4.6
Local Government	466	465	454	1	12	.1	2.6
Local Government Education	273	272	266	0	6	.1	2.4

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,350	5,060	290	5.4	5.3	1988 December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,428	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.3	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.3	June
5,411	5,104	307	5.7	5.5	July
5,446	5,174	272	5.0	5.6	August
5,450	5,166	284	5.2	5.7	September
5,470	5,145	325	5.9	5.7	October
5,442	5,145	297	5.5	5.9	November
5,497	5,180	317	5.8	6.1	December

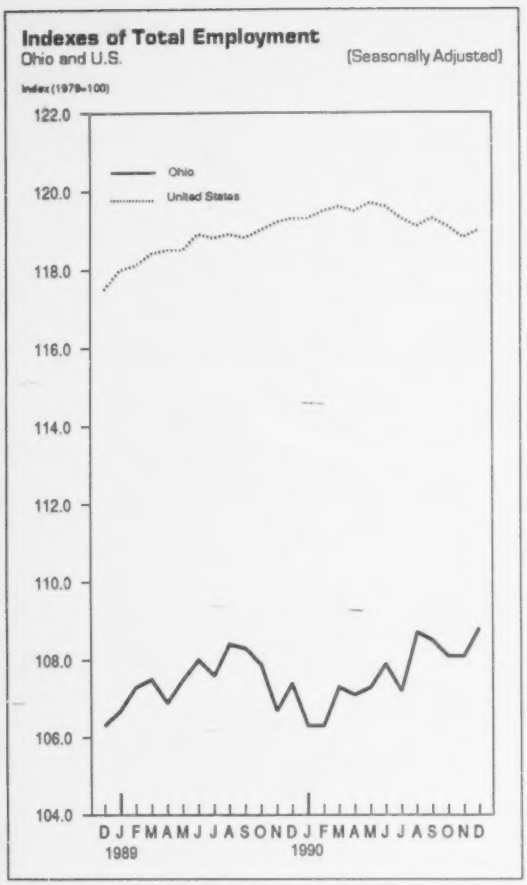
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,761	1,329	18	188	1,123	1988 December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,110	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,928	1,341	18	199	1,124	June
4,928	1,334	18	198	1,118	July
4,938	1,338	18	200	1,120	August
4,936	1,335	18	199	1,117	September
4,944	1,335	18	198	1,120	October
4,935	1,322	18	200	1,105	November
4,938	1,321	18	200	1,103	December

Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
3,432	214	1988 December	260	886	250	1988 December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,594	218	July	273	937	257	July	1,182	726
3,601	218	August	274	939	257	August	1,189	724
3,602	220	September	274	938	257	September	1,191	723
3,609	219	October	273	937	258	October	1,196	725
3,613	220	November	273	938	258	November	1,199	725
3,618	221	December	274	938	257	December	1,203	725

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
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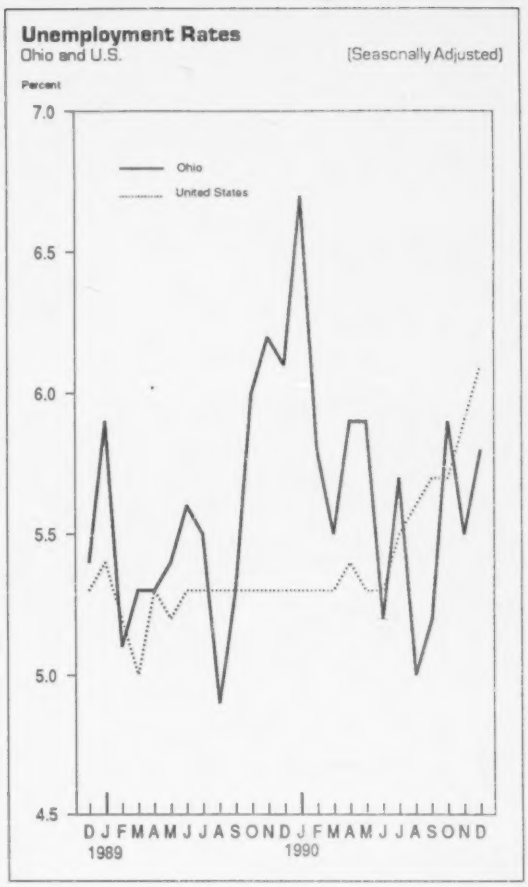
(Seasonally Adjusted)
Index (1979=100)
122.0
120.0
118.0
116.0
114.0
112.0
110.0
108.0
106.0
104.0
Ohio
United States
D J F M A M J J A S O N D J F M A M J J A S O N D
1989
1990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Ohio and U.S.
(Seasonally Adjusted)
Percent
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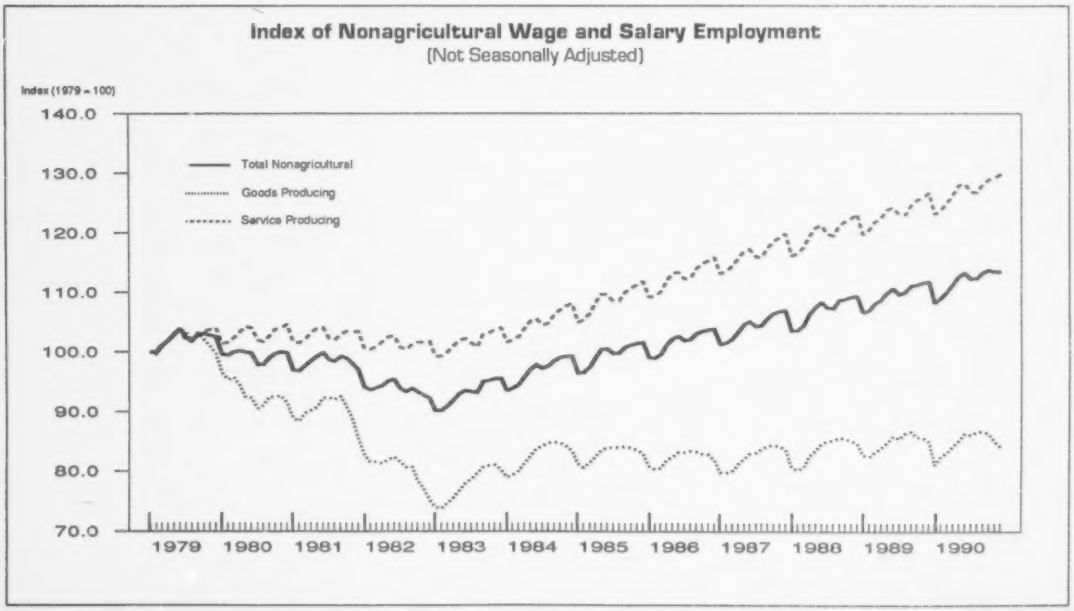
6.0
5.5
5.0
4.5
Ohio
United States
D J F M A M J J A S O N D J F M A M J J A S O N D
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,421	5,094	328	6.0	5.1	1989 December
5,391	4,979	412	7.6	5.9	1990 January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
4,909.6	1,335.6	18.1	195.8	1,121.7	1989 December
4,752.1	1,275.5	17.6	170.6	1,087.3	1990 January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,977.7	1,357.5	18.4	209.5	1,129.7	June
4,934.0	1,353.1	18.5	216.6	1,118.1	July
4,938.2	1,361.9	18.4	219.9	1,123.6	August
4,979.9	1,363.2	18.3	218.5	1,126.4	September
4,996.7	1,358.3	18.2	215.7	1,124.4	October
4,986.5	1,337.1	18.0	209.8	1,109.4	November
4,987.2	1,322.0	17.9	198.1	1,106.1	December

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
3,574.0	220.4	1989 December	269.6	949.1	254.7	1989 December	1,150.5	729.7
3,476.5	213.7	1990 January	266.4	905.9	253.6	1990 January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,576.4	221.1	August	274.6	948.3	260.4	August	1,202.5	669.5
3,616.7	222.3	September	273.7	945.6	258.3	September	1,208.9	707.9
3,638.4	222.0	October	274.4	944.0	257.6	October	1,204.2	736.2
3,649.4	221.8	November	274.6	955.4	257.3	November	1,197.5	742.7
3,665.2	222.8	December	275.5	968.7	257.5	December	1,196.2	744.6

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.7	754.2	375.5	June	772.7	423.3	33.2
1,118.1	743.4	374.6	July	759.6	404.2	32.1
1,123.6	746.6	377.0	August	765.3	410.8	32.4
1,126.4	746.3	380.1	September	768.5	427.9	33.2
1,124.4	745.1	379.3	October	767.0	419.9	32.7
1,109.4	732.8	376.6	November	752.9	412.4	32.1
1,106.1	730.5	375.6	December	749.6	408.1	31.8

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$ 7.84	$ 8.06	$ 7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84
547.41	571.43	496.78	October	42.6	42.9	42.1	October	12.85	13.32	11.80
547.84	568.43	503.37	November	42.7	42.9	42.3	November	12.83	13.25	11.90
544.42	563.13	504.29	December	42.4	42.5	42.2	December	12.84	13.25	11.95

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.4	100.6	135.2	August	165.6	77.0	141.5	August	64.7	76.5	96.9
46.2	102.0	135.9	September	165.1	76.8	140.0	September	67.4	76.5	97.3
46.1	101.2	134.9	October	164.3	76.7	141.7	October	66.3	76.5	97.4
45.5	99.9	133.3	November	163.2	75.8	135.6	November	64.6	76.8	96.2
44.2	99.1	132.9	December	163.6	75.6	135.8	December	64.7	77.0	95.1

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.66	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.86	November	559.39	479.83	736.20	November	500.98	490.84	446.08
481.40	643.42	523.24	December	557.64	480.65	730.37	December	509.39	492.86	443.50

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	4987.2	4986.5	4909.6	.7	77.6
Goods-Producing Industries	1322.0	1337.1	1335.6	-15.1	-13.6
Mining	17.9	18.0	18.1	-.1	-.2
Coal Mining	7.4	7.4	7.5	.0	-.2
Oil and Gas Extraction	5.6	5.5	5.8	.1	-.1
Construction	198.1	209.8	195.8	-11.7	2.3
General Building Contractors	47.3	48.6	47.5	-1.2	-.2
Nonresidential Building Construction	23.7	24.3	24.3	-.6	-.7
Heavy Construction, Except Building	20.7	24.8	21.6	-4.1	-.9
Highway and Street Construction	5.9	8.5	7.0	-2.5	-1.0
Special Trade Contractors	130.0	136.4	126.7	-6.4	3.3
Manufacturing	1106.1	1109.4	1121.7	-3.3	-15.6
Durable Goods[f]	730.5	732.8	750.0	-2.3	-19.5
Lumber and Wood Products	23.4	23.7	22.6	-.3	.8
Millwork, Plywood and Structural Members	10.5	10.6	10.2	-.1	.3
Furniture and Fixtures	15.3	15.4	15.7	-.1	-.3
Stone, Clay, and Glass Products	44.2	45.5	45.3	-1.2	-1.1
Primary Metal Industries	99.1	99.9	100.6	-.8	-1.6
Blast Furnace and Basic Steel Products	46.6	46.7	46.4	-.2	.2
Iron and Steel Foundries	19.7	19.8	19.8	-.1	-.1
Nonferrous Rolling and Drawing	15.0	15.4	16.5	-.4	-1.5
Nonferrous Foundries	10.5	10.7	10.7	-.2	-.2
Fabricated Metal Products	132.9	133.3	136.0	-.3	-3.1
Fabricated Structural Metal Products	30.4	30.5	30.5	-.1	.0
Metal Forgings and Stampings	38.0	38.1	39.1	-.1	-1.1
Industrial Machinery and Equipment	163.6	163.2	168.0	.4	-4.4
Construction and Related Machinery	13.4	13.5	14.4	-.1	-.9
Metalworking Machinery	47.1	47.0	47.5	.1	-.5
Special Industry Machinery	16.2	16.1	17.5	.1	-1.4
General Industrial Machinery	26.2	26.1	26.4	.1	-.2
Computer and Office Equipment	10.7	10.8	11.2	-.1	-.5
Refrigeration and Service Machinery	14.7	14.6	15.9	.1	-1.2
Electronic and Other Electric Equipment	75.6	75.8	79.0	-.2	-3.4
Electrical Industrial Apparatus	12.2	12.3	12.5	-.1	-.3
Household Appliances	14.5	14.6	15.4	-.1	-.9
Electric Lighting and Wiring Equipment	15.9	15.9	16.6	.0	-.6
Electronic Components and Accessories	11.0	11.1	11.5	-.1	-.5
Transportation Equipment	135.8	135.6	140.8	.2	-5.0
Motor Vehicles and Equipment	91.5	90.7	95.1	.8	-3.6
Aircraft and Parts	36.1	36.1	36.8	.0	-.6
Instruments and Related Products	25.7	25.5	26.8	.2	-1.1
Measuring and Controlling Devices	15.4	15.4	16.3	.0	-.9
Nondurable Goods[g]	375.6	376.6	371.7	-1.0	3.9
Food and Kindred Products	64.7	64.6	63.4	.1	1.2
Dairy Products	11.1	11.0	10.2	.0	.8
Preserved Fruits and Vegetables	10.7	10.5	10.5	.3	.2
Bakery Products	9.7	9.7	9.5	.0	.2
Apparel and Other Textile Products	15.3	15.4	15.2	-.1	.1
Paper and Allied Products	38.5	38.6	38.0	-.1	.5
Paperboard Containers and Boxes	14.4	14.4	14.0	-.1	.4
Miscellaneous Converted Paper Products	12.3	12.3	12.1	.0	.1
Printing and Publishing	77.0	76.8	75.0	.2	2.1
Newspapers	19.5	19.5	19.0	.0	.5
Commercial Printing	28.4	28.3	27.7	.1	.7
Chemicals and Allied Products	67.1	67.0	65.5	.1	1.6
Plastics Materials and Synthetics	9.8	9.8	9.7	.0	.1
Rubber and Miscellaneous Plastics Products	95.1	96.2	96.7	-1.1	-1.6
Tires and Inner Tubes	16.2	16.3	15.5	.0	.7
Miscellaneous Plastics Products	57.5	58.4	58.2	-.9	-.7
Service-Producing Industries	3665.2	3649.4	3574.0	15.8	91.2
Transportation and Public Utilities	222.8	221.8	220.4	1.0	2.4
Transportation	133.2	132.3	130.0	.9	3.2
Railroad Transportation	11.8	12.0	12.5	-.2	-.6
Trucking and Warehousing	80.8	79.9	78.9	1.0	2.0
Transportation by Air	14.7	14.6	13.7	.1	1.0
Communications, Electric, Gas Services	89.6	89.5	90.4	.1	-.8
Communications	46.4	46.4	47.1	.0	-.7
Electric, Gas, and Sanitary Services	43.2	43.1	43.3	.1	-.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Wholesale Trade	275.5	274.6	269.6	.9	5.9
Wholesale Trade-Durable Goods	173.4	173.3	170.5	.1	3.0
Motor Vehicles, Parts, and Supplies	22.9	23.0	22.9	-.1	.0
Professional and Commercial Equipment	33.3	33.3	32.7	-.1	.5
Metals and Minerals, Except Petroleum	11.6	11.6	11.3	.0	.3
Electrical Goods	19.0	18.9	18.8	.1	.1
Hardware, Plumbing and Heating Equipment	13.1	13.1	12.8	.1	.3
Machinery, Equipment, and Supplies	43.3	43.2	42.4	.1	.9
Wholesale Trade-Nondurable Goods	102.1	101.3	99.1	.8	3.0
Groceries and Related Products	33.9	33.6	32.8	.3	1.1
Retail Trade	968.7	955.4	949.1	13.3	19.6
Building Materials and Garden Supplies	36.0	36.0	35.0	.0	1.0
Lumber and Other Building Materials	17.9	18.1	17.6	-.2	.2
General Merchandise Stores	140.8	134.7	141.5	6.1	-.7
Department Stores	114.7	109.6	115.1	5.0	-.4
Variety Stores	14.8	14.5	14.9	.3	-.1
Food Stores	148.1	146.2	145.9	1.8	2.2
Grocery Stores	129.6	128.5	127.9	1.1	1.8
Automotive Dealers and Service Stations	101.1	101.6	100.1	-.5	.9
New and Used Car Dealers	44.3	44.6	44.2	-.3	.2
Gasoline Service Stations	36.1	35.9	35.2	.2	.8
Apparel and Accessory Stores	58.5	55.8	54.3	2.7	4.2
Furniture and Homefurnishings Stores	35.4	34.8	34.1	.6	1.3
Eating and Drinking Places	316.3	317.3	312.4	-1.0	4.0
Miscellaneous Retail	132.5	129.0	125.9	3.5	6.6
Drug Stores and Proprietary Stores	33.7	33.3	32.3	.4	1.4
Nonstore Retailers	25.0	24.6	24.0	.4	1.0
Finance, Insurance, and Real Estate	257.5	257.3	254.7	.2	2.8
Finance	121.1	121.0	120.3	.1	.9
Depository Institutions	90.8	90.7	90.9	.1	-.1
Commercial Banks	64.6	64.5	63.8	.1	.8
Insurance	92.9	92.6	92.0	.3	.9
Insurance Carriers	70.6	70.4	70.3	.2	.3
Life Insurance	26.2	26.0	26.0	.2	.2
Fire, Marine, and Casualty Insurance	31.9	31.9	31.1	.0	.7
Real Estate	43.5	43.7	42.4	-.2	1.0
Services	1196.2	1197.5	1150.5	-1.4	45.7
Hotels and Other Lodging Places	38.6	38.5	37.4	.1	1.2
Personal Services	55.4	54.6	54.7	.8	.7
Business Services	222.9	222.9	210.3	.0	12.6
Services to Buildings	33.0	33.3	32.4	-.3	.7
Personnel Supply Services	78.0	78.3	73.8	-.4	4.2
Computer and Data Processing Services	28.9	28.6	26.4	.3	2.5
Amusements, Including Motion Pictures	50.8	52.0	44.9	-1.3	5.9
Health Services	404.7	402.8	391.0	1.9	13.7
Nursing and Personal Care Facilities	87.4	87.2	84.7	.3	2.7
Hospitals	194.2	193.8	188.9	.4	5.3
Legal Services	30.8	30.6	29.2	.2	1.6
Educational Services	64.9	67.0	63.9	-2.1	1.0
Colleges and Universities	36.4	38.5	35.8	-2.1	.6
Social Services	77.9	77.3	75.2	.6	2.7
Residential Care	23.8	23.6	22.7	.2	1.1
Membership Organizations	80.5	80.2	79.4	.3	1.1
Engineering and Management Services	89.4	89.2	86.8	.1	2.6
Engineering and Architectural Services	27.5	27.4	26.4	.2	1.1
Accounting, Auditing, and Bookkeeping	22.1	21.8	21.5	.3	.6
Research and Testing Services	19.0	19.3	19.1	-.2	.0
Management and Public Relations	20.7	20.8	19.7	-.1	.9
Government	744.6	742.7	729.7	1.8	14.9
Federal Government	94.2	93.8	97.4	.3	-3.2
U.S. Postal Service	33.9	33.3	34.8	.6	-.8
State Government	175.3	173.6	169.1	1.8	6.2
State Government Hospitals	15.8	15.6	16.0	.2	-.2
State Government Education[h]	97.8	96.7	93.4	1.1	4.4
Local Government	475.1	475.3	463.2	-.3	11.8
Local Government Hospitals	15.2	15.2	14.8	.1	.5
Local Government Education	284.5	284.6	277.8	-.1	6.8

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[p]	Nov. 1990[r]	Dec. 1989[r]	Dec. 1990[p]	Nov. 1990[r]	Dec. 1989[r]	Dec. 1990[p]	Nov. 1990[r]	Dec. 1989[r]
Goods-Producing Industries	$560.70	$567.74	$539.25	42.0	42.4	41.9	$13.35	$13.39	$12.87
Mining	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coal Mining	613.55	627.01	609.02	43.7	44.5	44.1	14.04	14.09	13.81
	724.63	746.00	756.33	42.6	43.6	45.1	17.01	17.11	16.77
Construction	641.59	657.71	601.73	39.9	40.7	38.4	16.08	16.16	15.67
General Building Contractors	567.59	571.02	540.57	40.6	40.7	39.2	13.98	14.03	13.79
Heavy Construction, Except Building	679.80	727.60	576.41	41.2	42.5	37.6	16.50	17.12	15.33
Special Trade Contractors	657.28	668.58	625.06	39.5	40.3	38.3	16.64	16.59	16.32
Manufacturing	544.42	547.84	527.39	42.4	42.7	42.6	12.84	12.83	12.38
Durable Goods[f]	563.13	568.43	546.12	42.5	42.9	42.9	13.25	13.25	12.73
Lumber and Wood Products	319.87	320.72	335.32	39.2	39.4	40.4	8.16	8.14	8.30
Millwork, Plywood and Structural Members	376.94	375.24	374.98	42.4	42.4	43.3	8.89	8.85	8.66
Furniture and Fixtures	424.23	408.11	377.10	43.6	42.6	40.9	9.73	9.58	9.22
Stone, Clay, and Glass Products	481.40	486.78	471.10	41.5	42.0	42.1	11.60	11.59	11.19
Primary Metal Industries	643.42	660.93	618.02	44.1	44.9	43.8	14.59	14.72	14.11
Blast Furnace and Basic Steel Products	693.25	705.72	633.28	47.0	47.3	44.1	14.75	14.92	14.36
Iron and Steel Foundries	628.42	672.09	637.38	41.1	43.0	43.3	15.29	15.63	14.72
Nonferrous Rolling and Drawing	655.45	661.35	637.70	39.7	40.4	40.8	16.51	16.37	15.63
Nonferrous Foundries	462.89	466.91	486.71	43.1	43.8	45.7	10.74	10.66	10.65
Fabricated Metal Products	523.24	530.88	502.80	41.2	42.0	41.9	12.70	12.64	12.00
Fabricated Structural Metal Products	464.09	512.55	467.67	41.4	44.3	42.4	11.21	11.57	11.03
Metal Forgings and Stampings	659.85	659.71	604.45	41.5	42.1	41.6	15.90	15.67	14.53
Industrial Machinery and Equipment	557.64	559.39	538.46	43.6	43.6	43.6	12.79	12.83	12.35
Construction and Related Machinery	462.51	449.12	467.87	40.5	40.1	41.7	11.42	11.20	11.22
Metalworking Machinery	543.12	540.90	537.75	44.3	44.3	45.0	12.26	12.21	11.95
Special Industry Machinery	544.45	538.32	543.27	44.7	44.6	45.5	12.18	12.07	11.94
General Industrial Machinery	619.49	662.97	578.92	44.6	46.2	43.3	13.89	14.35	13.37
Computer and Office Equipment	496.78	490.99	474.33	42.1	42.4	42.2	11.80	11.58	11.24
Refrigeration and Service Machinery	585.20	583.19	575.56	40.0	39.7	41.2	14.63	14.69	13.97
Electronic and Other Electric Equipment	480.65	479.83	462.44	41.4	41.4	41.4	11.61	11.59	11.17
Electrical Industrial Apparatus	461.31	451.02	442.85	42.4	41.8	42.5	10.88	10.79	10.42
Household Appliances	473.85	476.58	486.01	39.0	39.0	40.1	12.15	12.22	12.12
Electric Lighting and Wiring Equipment	472.25	496.40	466.43	38.9	40.0	39.9	12.14	12.41	11.69
Electronic Components and Accessories	352.34	356.12	334.15	41.5	41.7	40.9	8.49	8.54	8.17
Transportation Equipment	730.37	736.20	717.05	43.5	43.9	44.9	16.79	16.77	15.97
Motor Vehicles and Equipment	746.06	753.41	750.85	43.2	43.6	45.7	17.27	17.28	16.43
Aircraft and Parts	721.09	725.42	616.12	45.9	46.0	42.2	15.71	15.77	14.60
Instruments and Related Products	405.19	409.82	388.42	40.6	40.9	40.8	9.98	10.02	9.52
Measuring and Controlling Devices	391.61	389.22	381.24	39.2	39.0	40.3	9.99	9.98	9.46
Nondurable Goods[g]	504.29	503.37	485.62	42.2	42.3	41.9	11.95	11.90	11.59
Food and Kindred Products	509.39	500.98	473.18	43.5	43.3	42.4	11.71	11.57	11.16
Dairy Products	496.65	482.09	500.54	43.0	42.4	44.1	11.55	11.37	11.35
Preserved Fruits and Vegetables	585.00	557.80	520.22	45.0	44.2	43.1	13.00	12.62	12.07
Bakery Products	518.68	519.17	484.51	41.1	41.5	39.2	12.62	12.51	12.36
Apparel and Other Textile Products	320.40	320.00	294.08	40.0	40.1	37.8	8.01	7.98	7.78
Paper and Allied Products	533.24	537.30	518.97	44.4	45.0	44.7	12.01	11.94	11.61
Paperboard Containers and Boxes	456.66	470.64	442.12	43.0	44.4	42.8	10.62	10.60	10.33
Miscellaneous Converted Paper Products	514.35	512.80	491.89	45.0	45.3	45.8	11.43	11.32	10.74
Printing and Publishing	492.86	490.84	482.26	40.8	40.7	40.8	12.08	12.06	11.82
Newspapers	382.95	394.20	405.76	33.3	34.1	35.1	11.50	11.56	11.56
Commercial Printing	509.44	506.75	484.76	43.1	42.8	42.3	11.82	11.84	11.46
Chemicals and Allied Products	628.71	616.33	611.27	43.6	43.1	43.6	14.42	14.30	14.02
Plastics Materials and Synthetics	684.52	685.39	689.72	43.6	43.6	44.7	15.70	15.72	15.43
Rubber and Miscellaneous Plastics Products	443.50	446.08	433.54	40.8	41.0	40.9	10.87	10.88	10.60
Tires and Inner Tubes	697.89	699.94	718.60	43.0	43.1	45.8	16.23	16.24	15.69
Miscellaneous Plastics Products	422.18	422.99	414.06	40.4	40.4	40.2	10.45	10.47	10.30
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	644.90	645.15	615.04	42.4	42.5	42.3	15.21	15.18	14.54
Communications	621.18	605.87	561.60	42.0	41.3	40.0	14.79	14.67	14.04
Electric, Gas, and Sanitary Services	672.67	690.99	676.64	42.9	43.9	44.9	15.68	15.74	15.07
Wholesale Trade	422.67	424.44	410.69	39.1	39.3	39.3	10.81	10.80	10.45
Wholesale Trade-Durable Goods	414.77	418.26	402.19	38.8	39.2	39.2	10.69	10.67	10.26
Motor Vehicles, Parts, and Supplies	363.44	351.82	356.98	38.5	38.2	39.1	9.44	9.21	9.13
Metals and Minerals, Except Petroleum	462.03	478.13	463.14	40.6	42.5	41.8	11.38	11.25	11.08
Wholesale Trade-Nondurable Goods	436.79	433.79	423.94	39.6	39.4	39.4	11.03	11.01	10.76

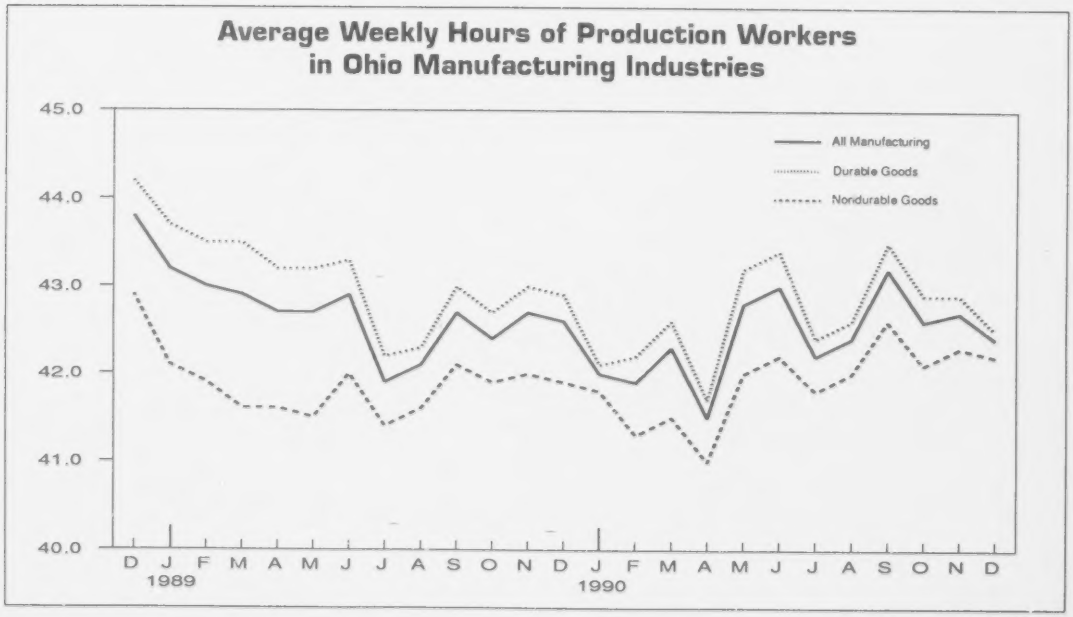
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

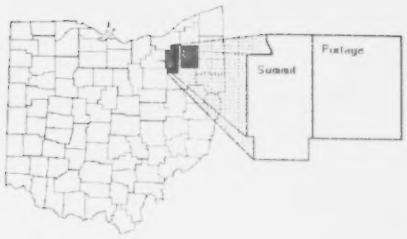
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Retail Trade[i]	$186.02	$179.68	$179.09	28.4	27.6	28.7	$ 6.55	$ 6.51	$ 6.24
General Merchandise Stores	208.90	191.80	200.57	29.8	28.0	31.0	7.01	6.85	6.47
Department Stores	214.68	195.44	206.27	29.9	28.0	31.3	7.18	6.98	6.59
Finance, Insurance, and Real Estate	356.26	354.35	346.41	....	....	....	.....	.....	.....
Finance	326.95	325.71	320.87	....	....	....	.....	.....	.....
Depository Institutions	277.40	275.92	274.12	....	....	....	.....	.....	.....
Commercial Banks	272.50	269.28	272.20	....	....	....	.....	.....	.....
Insurance	426.19	421.31	411.11	....	....	....	.....	.....	.....
Insurance Carriers	414.24	409.96	396.55	....	....	....	.....	.....	.....
Life Insurance	381.01	377.51	368.65	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	449.22	446.19	425.20	....	....	....	.....	.....	.....
Services	.....	.....	.....	...	....	....	.....	.....	.....
Business Services	254.08	250.90	226.56	33.3	33.1	32.0	7.63	7.58	7.08
Health Services	320.86	321.87	306.86	31.8	31.9	31.7	10.09	10.09	9.68
Nursing and Personal Care Facilities	221.54	220.53	202.25	32.2	32.1	31.7	6.88	6.87	6.38
Hospitals	374.08	376.70	362.84	32.5	32.7	32.6	11.51	11.52	11.13
Engineering and Management Services	490.88	491.18	473.37	35.7	35.8	35.3	13.75	13.72	13.41
Engineering and Architectural Services	702.35	700.70	659.56	35.1	35.0	32.7	20.01	20.02	20.17
Research and Testing Services	385.19	385.92	382.10	36.1	36.0	36.6	10.67	10.72	10.44

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.



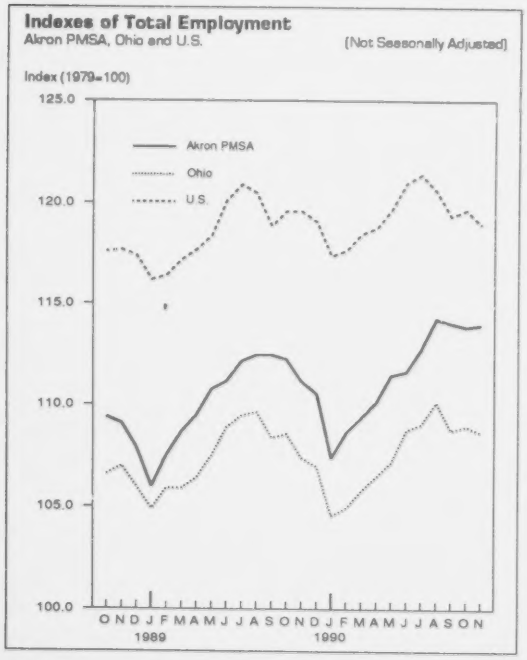
Akron
Primary Metropolitan Statistical Area

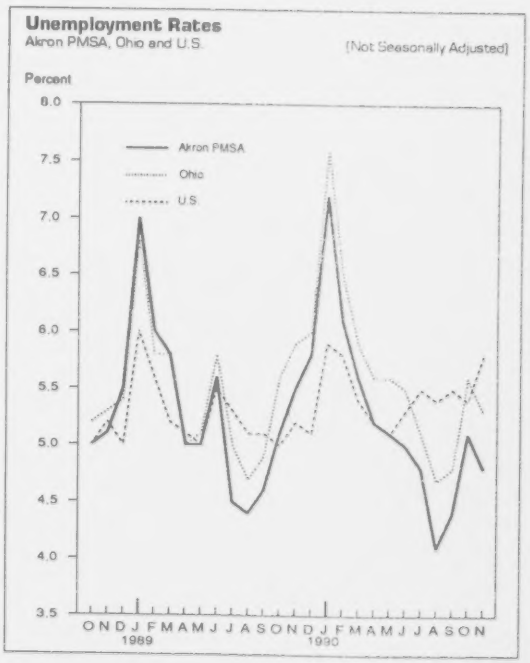


In the Akron metropolitan area, total nonfarm payroll employment rose 300 above the November level to 298,000 in December 1990. The service-producing sector added 900 employees mainly due to seasonal gains in retail trade. The workforce in goods-producing industries declined 500 over the month to 79,800. Continued seasonal layoffs in construction negated improvements in manufacturing. An increase in fabricated metal products outweighed decreases in industrial machinery and equipment and rubber and miscellaneous plastics products. Factory production workers averaged $12.11 per hour, up 11 cents from November. Their average workweek of 43.0 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment advanced 8,500 between December 1989 and December 1990. Expansion in service-producing industries contributed 81.2 percent of the improvement. Leading growth industries were services, especially amusements, including motion pictures, and health services, and retail trade. Over-the-year gains in manufacturing, particularly rubber and miscellaneous plastics products and fabricated metal products, helped create 1,600 jobs in goods-producing industries.

Seasonally adjusted employment in the Akron area totaled 295,000 in December 1990, up 1,000 from November. Since December 1989, nonfarm payroll employment advanced 9,000. Services gained 4,000 jobs; manufacturing, retail trade, and government each added 1,000 jobs.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$ 7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11
338.0	321.8	16.2	4.8	July	290.1	67.6	38.3	509.92	42.6	11.97
340.4	326.3	14.1	4.1	August	291.2	67.9	38.6	529.40	43.5	12.17
340.4	325.5	14.9	4.4	September	297.8	68.6	39.2	529.91	43.4	12.21
342.5	325.1	17.3	5.1	October	297.1	69.1	39.6	519.16	42.8	12.13
341.8	325.3	16.4	4.8	November	297.7	68.8	39.1	518.40	43.2	12.00
INA	INA	INA	INA	December	298.0	69.0	39.5	520.73	43.0	12.11

INA -- Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	215	14	16	57	11	71	46
293	79	10	68	September	213	14	16	57	11	71	45
293	80	10	69	October	213	14	16	57	11	72	44
294	79	10	69	November	214	13	16	57	11	72	45
295	80	10	69	December	215	13	16	57	11	72	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	298.0	297.7	289.4	.3	8.5
Goods-Producing Industries[e]	79.8	80.4	78.2	-.5	1.6
Construction	10.2	10.9	9.9	-.7	.3
Manufacturing	69.0	68.8	67.7	.2	1.4
Durable Goods[f]	35.4	35.1	35.0	.3	.4
Fabricated Metal Products	11.5	11.1	11.1	.4	.4
Fabricated Structural Metal Products	5.1	5.0	4.9	.0	.2
Industrial Machinery and Equipment	9.9	10.1	10.3	-.2	-.3
Metalworking Machinery	4.1	4.0	3.9	.0	.2
Electronic and Other Electric Equipment	2.4	2.5	2.5	.0	-.1
Transportation Equipment	4.8	4.8	4.9	.0	-.1
Nondurable Goods[g]	33.6	33.8	32.7	-.2	.9
Food and Kindred Products	3.1	3.1	3.1	.0	.0
Chemicals and Allied Products	3.7	3.6	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	20.8	21.0	20.1	-.1	.7
Tires and Inner Tubes	11.7	11.8	11.1	.0	.6
Service-Producing Industries	218.2	217.3	211.2	.9	6.9
Transportation and Public Utilities	13.5	13.5	13.3	.0	.2
Communications, Electric, Gas Services	4.7	4.7	4.7	.0	.1
Wholesale Trade	16.0	15.9	15.8	.1	.2
Retail Trade	59.3	58.7	57.9	.7	1.5
General Merchandise Stores	8.2	8.0	8.6	.2	-.4
Food Stores	9.6	9.5	9.5	.1	.1
Finance, Insurance, and Real Estate	10.6	10.6	10.5	.0	.1
Finance	5.3	5.3	5.4	.0	.0
Services	71.3	71.2	67.1	.1	4.2
Business Services	12.3	12.3	11.7	.0	.6
Personnel Supply Services	3.2	3.2	3.3	-.1	-.2
Amusements, Including Motion Pictures	6.9	6.8	5.2	.0	1.7
Health Services	22.9	22.8	21.9	.2	1.0
Nursing and Personal Care Facilities	4.1	4.1	3.9	.0	.2
Hospitals	11.3	11.2	10.9	.1	.4
Social Services	4.9	4.9	4.9	.0	.0
Engineering and Management Services	5.5	5.6	5.1	.0	.4
Government	47.4	47.5	46.7	-.1	.8
Federal Government	2.5	2.5	2.4	.0	.1
State Government	18.1	18.1	17.7	-.1	.3
State Government Education[h]	15.3	15.3	14.9	-.1	.4
Local Government	26.8	26.9	26.5	-.1	.3
Local Government Education	15.1	14.9	14.8	.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

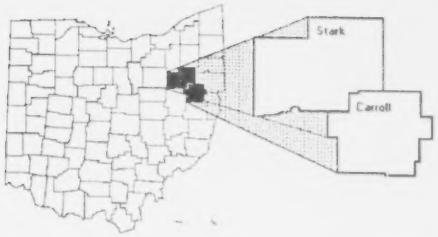
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$520.73	$518.40	$504.70	43.0	43.2	43.1	$12.11	$12.00	$11.71
Durable Goods[f]	527.90	524.18	515.79	43.2	43.5	43.6	12.22	12.05	11.83
Fabricated Metal Products	615.78	618.46	569.38	41.3	42.8	41.2	14.91	14.45	13.82
Fabricated Structural Metal Products	497.77	539.84	486.33	41.9	44.8	42.4	11.88	12.05	11.47
Industrial Machinery and Equipment	515.00	508.69	512.60	45.9	45.5	46.6	11.22	11.18	11.00
Metalworking Machinery	578.38	581.05	516.32	48.4	48.3	46.1	11.95	12.03	11.20
Electronic and Other Electric Equipment	433.46	443.72	400.32	41.4	41.9	40.6	10.47	10.59	9.86
Transportation Equipment	635.38	638.58	695.84	43.4	43.5	45.9	14.64	14.68	15.16
Nondurable Goods[g]	508.64	510.18	487.30	42.6	42.8	42.3	11.94	11.92	11.52
Food and Kindred Products	403.21	418.37	397.28	40.2	41.3	41.6	10.03	10.13	9.55
Chemicals and Allied Products	586.96	563.32	531.83	44.5	43.1	43.7	13.19	13.07	12.17
Rubber and Miscellaneous Plastics Products	509.33	510.26	493.93	43.2	43.5	43.1	11.79	11.73	11.46
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	621.18	610.88	605.68	42.0	41.5	41.4	14.79	14.72	14.63
Wholesale Trade	374.07	372.32	356.09	37.0	36.9	36.9	10.11	10.09	9.65
Retail Trade[i]	223.10	217.86	220.89	30.9	30.3	32.2	7.22	7.19	6.86
General Merchandise Stores	196.10	186.30	214.51	29.4	28.4	32.6	6.67	6.56	6.58
Food Stores	330.41	326.85	313.63	37.0	37.1	36.3	8.93	8.81	8.64
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	277.86	275.05	277.11	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

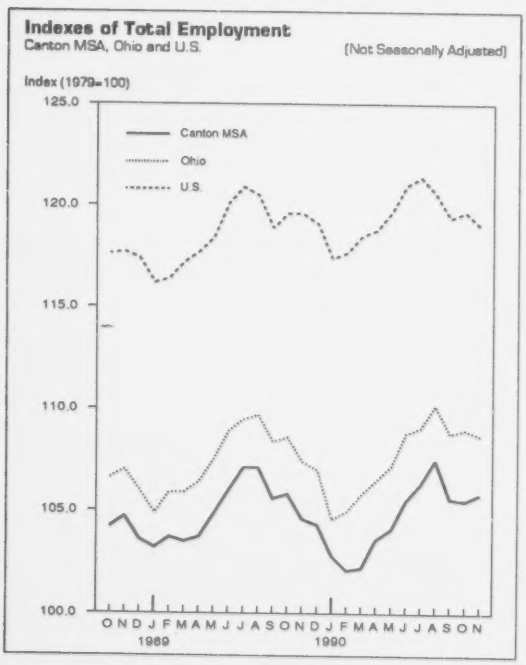
Canton Metropolitan Statistical Area

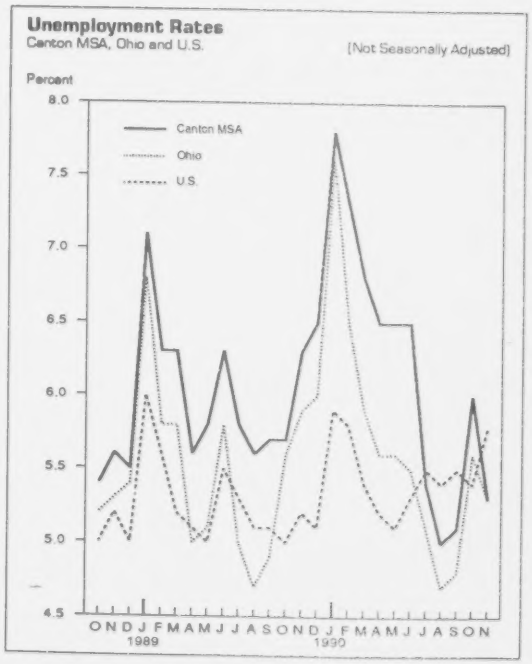


Nonfarm payroll employment in the Canton metropolitan area declined 400 from the November level to 168,700 in December 1990. Less business in construction and modest reductions in manufacturing lowered employment in goods-producing industries 700 to 53,000. A decrease in rubber and miscellaneous plastics products offset an increase in primary metal industries. Service-producing industries added 300 jobs over the month. Seasonal gains in retail trade and transportation and public utilities outweighed slight declines in services. Manufacturing production workers averaged $11.33 per hour, down 12 cents from November. Their average workweek was 1.0 hours shorter at 41.3 hours.

Nonagricultural wage and salary employment advanced 1,500 between December 1989 and December 1990. Expansion in service-producing industries created 2,000 jobs. A major portion of the growth occurred in services. The number of employees in goods-producing industries dropped 500 from the year-ago level as production cutbacks in manufacturing negated nominal growth in construction. Reductions in fabricated metal products and rubber and miscellaneous plastics products negated growth in primary metal industries.

Seasonally adjusted employment in the Canton area totaled 167,000 in December 1990, unchanged from November. Scattered increases counterbalanced declines in retail trade and government. Since December 1989, nonfarm payroll employment rose 1,000. Growth in service-producing industries, especially services, more than offset a decrease in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$ 8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
196.6	186.7	9.9	5.0	August	168.4	45.3	31.6	484.08	42.5	11.39
193.4	183.5	9.8	5.1	September	169.1	45.7	32.1	491.63	42.9	11.46
194.9	183.3	11.6	6.0	October	168.8	45.0	31.6	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	169.1	45.1	31.5	484.34	42.3	11.45
INA	INA	INA	INA	December	168.7	44.9	31.4	467.93	41.3	11.33

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20
168	54	7	45	September	114	6	9	34	7	40	20
167	53	7	45	October	114	6	9	34	7	40	20
167	53	7	45	November	114	6	9	34	7	40	20
167	53	7	45	December	114	6	9	33	7	40	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	168.7	169.1	167.2	-.4	1.5
Goods-Producing Industries[e]	53.0	53.7	53.5	-.7	-.5
Construction	7.3	7.8	7.1	-.5	.2
Manufacturing	44.9	45.1	45.6	-.2	-.7
Durable Goods[f]	33.4	33.4	33.7	.0	-.3
Primary Metal Industries	12.1	12.0	11.3	.1	.8
Fabricated Metal Products	5.3	5.3	6.3	.0	-.9
Electronic and Other Electric Equipment	3.9	3.9	4.0	.0	-.1
Nondurable Goods[g]	11.5	11.7	12.0	-.2	-.4
Food and Kindred Products	3.4	3.5	3.4	.0	.0
Rubber and Miscellaneous Plastics Products	2.6	2.8	3.1	-.1	-.5
Service-Producing Industries	115.7	115.4	113.7	.3	2.0
Transportation and Public Utilities	5.7	5.6	5.6	.1	.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.7	8.5	.0	.1
Retail Trade	34.6	34.3	34.5	.3	.1
General Merchandise Stores	4.4	4.3	4.6	.1	-.2
Food Stores	5.8	5.7	5.7	.0	.1
Finance, Insurance, and Real Estate	6.6	6.6	6.8	.0	-.1
Finance	3.9	3.9	3.9	.0	-.1
Services	40.2	40.3	38.6	-.1	1.6
Health Services	16.6	16.5	15.7	.1	.8
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.8	7.7	7.3	.1	.4
Government	19.9	19.9	19.7	.0	.2
Federal Government	1.4	1.4	1.4	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.0	.0
Local Government	16.8	16.8	16.6	.0	.3
Local Government Education	10.3	10.2	10.1	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

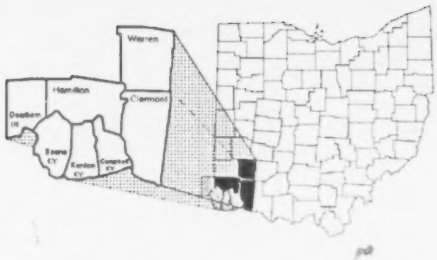
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$467.93	$484.34	$467.87	41.3	42.3	41.7	$11.33	$11.45	$11.22
Durable Goods[f]	487.20	498.19	493.00	42.0	42.8	42.5	11.60	11.64	11.60
Primary Metal Industries	517.00	539.34	516.12	43.3	44.5	44.0	11.94	12.12	11.73
Fabricated Metal Products	434.41	443.00	488.38	39.6	40.2	40.8	10.97	11.02	11.97
Electronic and Other Electric Equipment	542.27	537.16	534.93	38.9	38.7	40.1	13.94	13.88	13.34
Nondurable Goods[g]	408.60	440.51	390.43	39.1	40.6	39.2	10.45	10.85	9.96
Food and Kindred Products	417.91	416.58	409.11	39.5	39.3	39.0	10.58	10.60	10.49
Rubber and Miscellaneous Plastics Products	391.72	387.37	393.72	40.3	40.1	40.8	9.72	9.66	9.65
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	640.07	619.01	581.58	42.7	41.6	40.5	14.99	14.88	14.36
Wholesale Trade	386.06	386.12	371.42	38.8	39.2	37.9	9.95	9.85	9.80
Retail Trade[i]	181.04	174.98	174.87	28.6	27.6	29.0	6.33	6.34	6.03
General Merchandise Stores	195.05	184.92	209.95	28.6	27.6	32.3	6.82	6.70	6.50
Food Stores	179.36	174.71	162.66	29.5	28.5	27.9	6.08	6.13	5.83
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	194.35	196.45	180.25	30.8	30.6	29.5	6.31	6.42	6.11

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

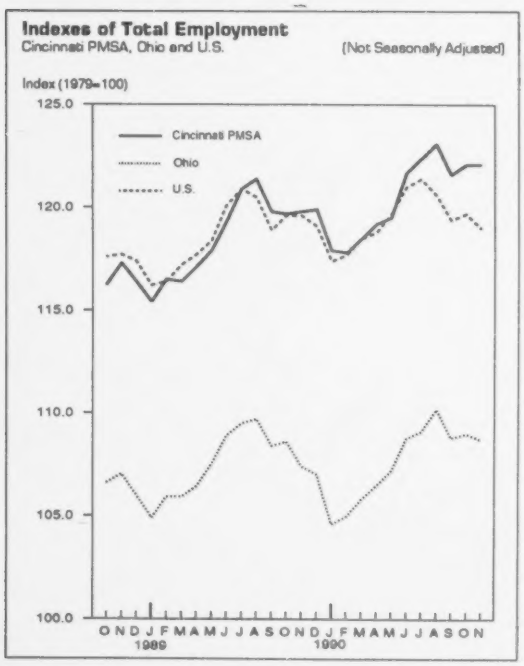
Cincinnati Primary Metropolitan Statistical Area

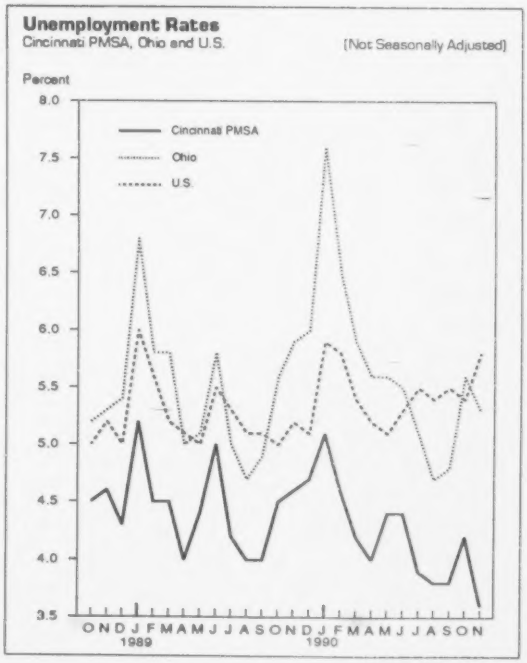


Nonagricultural payroll employment in the Cincinnati metropolitan area rose 2,600 above the November level to 765,000 in December 1990. Seasonal hiring in retail trade and modest gains in services and wholesale trade raised employment in service-producing industries 4,500. Seasonal layoffs in construction and production cutbacks in manufacturing lowered employment in goods-producing industries 1,900 over the month to 184,600. Reductions were posted in transportation equipment, electronic and other electric equipment, and rubber and miscellaneous plastics products. Factory production workers averaged $12.29 per hour, up 8 cents from November. Their average workweek of 43.4 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 16,900 between December 1989 and December 1990. The improvement was concentrated in the service-producing sector. Leading areas of expansion were retail trade (+6,200) and services (+4,500). Noteworthy gains were posted in local government, transportation and public utilities, and wholesale trade. Employment in goods-producing industries declined 500 as over-the-year cutbacks in durable-goods manufacturing negated growth in nondurable goods. Reductions in electronic and other electric equipment, industrial machinery and equipment, and transportation equipment outweighed increases in printing and publishing and chemicals and allied products.

Seasonally adjusted employment in the Cincinnati area totaled 756,000 in December 1990, unchanged from November. An increase in transportation and public utilities counterbalanced a decrease in manufacturing. Since December 1989, nonfarm payroll employment advanced 16,000. Primary growth industries were retail trade (+6,000), services (+4,000), and government (+3,000). Noteworthy gains occurred in transportation and public utilities and wholesale trade.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$ 7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
800.4	768.8	31.6	3.9	July	754.7	148.7	93.3	516.86	43.0	12.02
803.6	773.5	30.2	3.8	August	756.1	148.9	93.5	529.83	43.5	12.18
793.9	763.9	30.1	3.8	September	760.8	149.8	94.5	529.48	43.4	12.20
800.6	766.9	33.7	4.2	October	761.5	150.0	94.8	526.25	43.1	12.21
795.8	767.0	28.8	3.6	November	762.4	149.9	94.7	527.47	43.2	12.21
INA	INA	INA	INA	December	765.0	149.1	93.9	533.39	43.4	12.29

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
754	184	36	148	August	570	41	50	152	43	190	94
753	184	35	148	September	569	41	50	151	43	191	92
756	184	34	149	October	572	41	50	151	43	194	93
756	184	35	149	November	572	41	50	152	43	193	93
756	183	35	148	December	573	42	50	152	43	193	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	765.0	762.4	748.2	2.6	16.9
Goods-Producing Industries[e]	184.6	186.4	185.0	-1.9	-.5
Construction	35.0	36.1	34.9	-1.1	.2
Manufacturing	149.1	149.9	149.7	-.8	-.7
Durable Goods[f]	79.0	79.7	81.1	-.7	-2.1
Fabricated Metal Products	12.4	12.4	12.4	.0	-.1
Fabricated Structural Metal Products	4.7	4.7	4.6	.0	.1
Industrial Machinery and Equipment	19.1	19.1	19.6	.0	-.6
Electronic and Other Electric Equipment	7.3	7.5	8.0	-.2	-.7
Transportation Equipment	24.5	24.8	24.8	-.3	-.3
Motor Vehicles and Equipment	4.7	5.0	5.0	-.3	-.3
Instruments and Related Products	3.5	3.5	3.7	.0	-.2
Nondurable Goods[g]	70.0	70.1	68.6	-.1	1.4
Food and Kindred Products	12.4	12.4	12.6	.1	-.1
Beverages	2.9	2.9	2.9	.0	.0
Apparel and Other Textile Products	3.7	3.7	3.7	.0	-.1
Paper and Allied Products	6.2	6.2	6.0	.0	.2
Printing and Publishing	15.2	15.2	14.5	.0	.7
Commercial Printing	6.7	6.8	6.4	.0	.3
Chemicals and Allied Products	23.1	23.0	22.4	.0	.7
Rubber and Miscellaneous Plastics Products	6.9	7.1	6.7	-.2	.2
Service-Producing Industries	580.5	576.0	563.1	4.5	17.3
Transportation and Public Utilities	42.0	41.8	40.5	.2	1.6
Transportation	25.5	25.3	24.2	.2	1.4
Trucking and Warehousing	11.5	11.4	11.1	.1	.4
Transportation by Air	7.0	7.0	6.2	.0	.8
Communications, Electric, Gas Services	16.5	16.5	16.3	.0	.2
Communications	9.6	9.6	9.9	.0	-.2
Wholesale Trade	50.1	49.7	49.2	.4	.9
Wholesale Trade-Durable Goods	29.3	29.2	29.2	.2	.1
Retail Trade	158.1	155.0	151.8	3.0	6.2
General Merchandise Stores	25.5	24.4	24.4	1.1	1.1
Finance, Insurance, and Real Estate	43.2	43.2	42.7	.1	.6
Finance	17.8	17.8	17.3	.0	.5
Depository Institutions	13.9	13.9	13.6	.0	.4
Commercial Banks	9.8	9.9	9.4	.0	.4
Insurance	17.0	17.0	17.0	.0	.0
Insurance Carriers	14.3	14.2	14.2	.1	.0
Life Insurance	6.8	6.7	6.8	.1	.0
Fire, Marine, and Casualty Insurance	5.4	5.4	5.0	.0	.3
Services	191.7	191.2	187.2	.5	4.5
Hotels and Other Lodging Places	7.6	7.7	7.4	.0	.2
Personal Services	8.8	8.6	8.4	.2	.4
Business Services	38.2	38.4	37.3	-.2	.9
Services to Buildings	6.2	6.1	5.9	.1	.3
Computer and Data Processing Services	5.1	5.1	4.6	.0	.5
Amusements, Including Motion Pictures	10.8	10.5	12.1	.3	-1.4
Health Services	59.2	59.0	57.1	.2	2.2
Nursing and Personal Care Facilities	11.3	11.3	11.1	.0	.2
Hospitals	28.2	28.1	27.2	.1	1.0
Legal Services	4.8	4.8	4.5	.0	.3
Educational Services	7.2	7.3	7.3	-.1	-.1
Social Services	12.7	12.7	12.4	.1	.3
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.6	17.5	16.5	.1	1.1
Engineering and Architectural Services	6.0	5.9	5.7	.1	.3
Government	95.3	95.1	91.7	.2	3.5
Federal Government	16.3	15.9	16.0	.4	.3
State Government	21.8	22.0	21.1	-.2	.7
State Government Education[h]	13.8	13.9	13.0	.0	.8
Local Government	57.2	57.2	54.7	.0	2.5
Local Government Education	33.0	32.7	31.6	.3	1.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

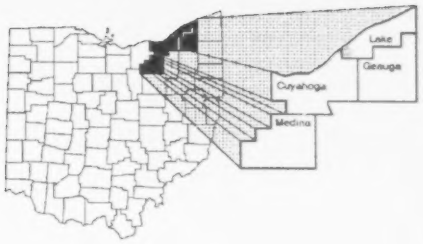
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$533.39	$527.47	$498.19	43.4	43.2	42.8	$12.29	$12.21	$11.64
Durable Goods[f]	519.59	530.78	488.20	42.8	43.4	42.9	12.14	12.23	11.38
Fabricated Metal Products	431.88	458.15	423.36	42.3	43.8	43.2	10.21	10.46	9.80
Fabricated Structural Metal Products	462.58	529.23	473.25	42.4	45.9	44.9	10.91	11.53	10.54
Industrial Machinery and Equipment	496.08	489.77	481.78	43.1	43.0	43.6	11.51	11.39	11.05
Electronic and Other Electric Equipment	411.73	390.98	380.07	41.8	40.6	41.0	9.85	9.63	9.27
Transportation Equipment	779.76	815.92	708.72	45.6	47.0	43.4	17.10	17.36	16.33
Motor Vehicles and Equipment	771.77	846.40	885.01	42.9	45.9	48.6	17.99	18.44	18.21
Instruments and Related Products	431.09	430.33	380.68	43.5	43.6	45.7	9.91	9.87	8.33
Nondurable Goods[g]	545.68	522.95	508.56	43.9	42.9	42.7	12.43	12.19	11.91
Food and Kindred Products	508.26	506.97	494.28	43.0	43.0	42.5	11.82	11.79	11.63
Beverages	560.59	561.82	576.79	40.8	40.8	43.4	13.74	13.77	13.29
Apparel and Other Textile Products	280.02	269.96	250.65	40.7	39.7	38.8	6.88	6.80	6.46
Paper and Allied Products	490.25	474.47	453.84	43.5	42.9	42.1	11.27	11.06	10.78
Printing and Publishing	548.54	537.54	508.57	43.5	42.9	42.1	12.61	12.53	12.08
Commercial Printing	605.71	591.25	532.61	47.1	46.3	44.2	12.86	12.77	12.05
Chemicals and Allied Products	692.76	641.08	634.57	46.0	43.7	44.5	15.06	14.67	14.26
Rubber and Miscellaneous Plastics Products	402.70	388.86	401.10	42.3	41.5	42.0	9.52	9.37	9.55
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	606.22	616.31	577.37	40.2	40.6	39.6	15.08	15.18	14.58
Communications	586.36	592.11	571.34	38.5	38.7	38.5	15.23	15.30	14.84
Wholesale Trade	440.35	447.68	429.24	39.6	39.9	39.2	11.12	11.22	10.95
Retail Trade[j]	183.39	177.80	174.53	28.7	28.0	28.8	6.39	6.35	6.06
General Merchandise Stores	240.41	215.50	221.76	31.8	29.2	32.0	7.56	7.38	6.93
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	302.41	300.40	299.54	....	....	....	.....	.....	.....
Commercial Banks	272.99	268.89	269.08	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	422.12	415.93	409.09	....	....	....	.....	.....	.....
Life Insurance	422.39	414.17	417.21	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	444.33	438.40	421.88	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	438.18	438.51	427.80	32.7	32.7	33.5	13.40	13.41	12.77
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	660.02	653.54	659.28	41.2	41.0	41.7	16.02	15.94	15.81

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Cleveland
Primary Metropolitan Statistical Area

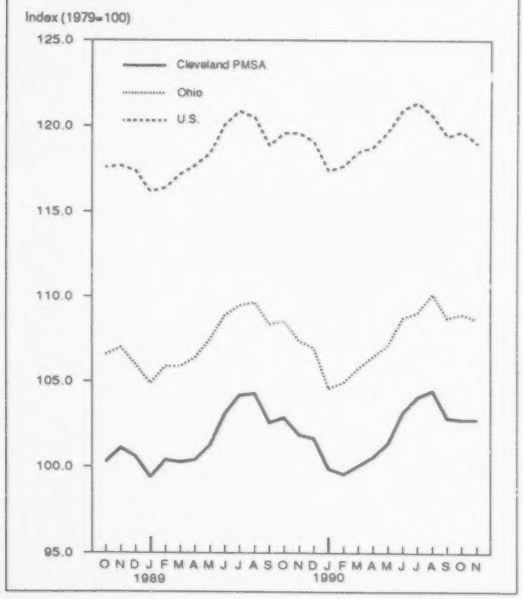


In the Cleveland metropolitan area, nonfarm payroll employment rose 1,700 above the November level to 962,500 in December 1990. Increased hiring of temporary employees in retail trade helped raise employment in service-producing industries 4,400. Less business in construction, especially special trade contractors, and cutbacks in manufacturing lowered the workforce in goods-producing industries 2,800 over the month to 238,500. Reductions in transportation equipment, fabricated metal products, and rubber and miscellaneous plastics products negated nominal growth in printing and publishing. Factory production workers averaged $12.12 per hour, down 6 cents from November. Their average workweek was 0.1 hours longer at 42.7 hours.

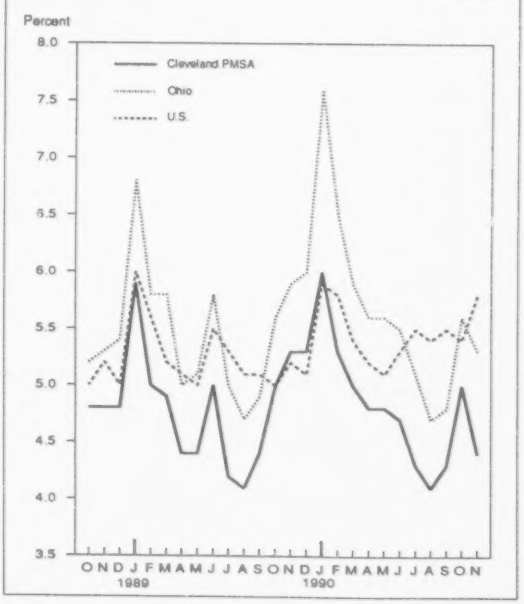
Nonagricultural wage and salary employment advanced 9,000 between December 1989 and December 1990. Expansion in service-producing industries created 13,400 jobs. Leading growth sectors were services, particularly business and health services, and retail trade. Noteworthy gains occurred in wholesale trade. Employment in goods-producing industries dropped 4,400 during the period due to reductions in manufacturing. Significant over-the-year cutbacks in transportation equipment and industrial machinery and equipment and moderate declines in fabricated metal products, primary metal industries, and electronic and other electric equipment overshadowed modest expansion in printing and publishing and stone, clay, and glass products.

Seasonally adjusted employment in the Cleveland area totaled 953,000 in December 1990, unchanged from November. An increase in wholesale trade nearly offset declines in retail trade and manufacturing. Since December 1989, nonfarm payroll employment advanced 9,000. Growth in services, retail trade, wholesale trade, and finance, insurance, and real estate outweighed a decrease in manufacturing.

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	138.6	$337.60	42.2	$ 8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
967.6	925.6	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14
968.6	929.3	39.3	4.1	August	960.2	205.6	130.8	518.38	42.7	12.14
955.4	914.6	40.7	4.3	September	964.4	207.0	132.7	530.56	43.1	12.31
962.8	914.4	48.5	5.0	October	963.7	207.2	132.8	527.24	42.9	12.29
956.4	914.2	42.2	4.4	November	960.9	204.7	130.5	518.87	42.6	12.18
INA	INA	INA	INA	December	962.5	203.8	129.5	517.52	42.7	12.12

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
953	241	34	206	August	712	43	69	166	58	262	115
957	241	34	206	September	716	43	69	166	58	261	120
957	241	34	207	October	715	43	69	166	58	260	120
953	238	34	204	November	714	43	68	166	58	261	119
953	238	34	203	December	715	43	69	165	58	261	119

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	962.5	960.9	953.5	1.7	9.0
Goods-Producing Industries[e]	238.5	241.2	242.9	-2.8	-4.4
Construction	33.7	35.6	33.8	-1.9	.0
Special Trade Contractors	23.3	24.4	23.6	-1.0	-.3
Manufacturing	203.8	204.7	208.2	-.9	-4.4
Durable Goods[f]	137.8	138.7	142.6	-.9	-4.7
Stone, Clay, and Glass Products	3.7	3.8	3.5	-.1	.3
Primary Metal Industries	20.8	20.7	21.3	.0	-.5
Iron and Steel Foundries	4.4	4.3	4.6	.1	-.2
Fabricated Metal Products	33.6	33.7	34.3	-.2	-.7
Screw Machine Products, Bolts, etc.	4.9	5.0	5.1	.0	-.2
Metal Forgings and Stampings	10.5	10.5	11.0	.1	-.5
Industrial Machinery and Equipment	32.5	32.5	33.7	.0	-1.2
Metalworking Machinery	12.9	12.9	13.0	.0	-.1
Electronic and Other Electric Equipment	15.2	15.2	15.6	.0	-.4
Electrical Industrial Apparatus	4.3	4.2	4.5	.0	-.2
Electric Lighting and Wiring Equipment	5.1	5.1	5.3	.1	-.2
Transportation Equipment	17.3	18.0	19.6	-.7	-2.3
Motor Vehicles and Equipment	10.3	11.0	12.5	-.7	-2.2
Instruments and Related Products	7.2	7.2	7.1	.0	.1
Measuring and Controlling Devices	5.3	5.3	4.9	.0	.4
Nondurable Goods[g]	66.0	66.0	65.6	.0	.3
Food and Kindred Products	6.7	6.7	6.7	.1	.0
Apparel and Other Textile Products	3.4	3.3	3.3	.0	.1
Paper and Allied Products	5.9	5.8	5.9	.0	-.1
Printing and Publishing	17.5	17.4	17.1	.2	.4
Chemicals and Allied Products	14.9	14.8	14.6	.0	.2
Rubber and Miscellaneous Plastics Products	11.8	12.1	12.1	-.2	-.2
Miscellaneous Plastics Products	7.9	8.0	7.7	-.1	.2
Service-Producing Industries	724.1	719.7	710.6	4.4	13.4
Transportation and Public Utilities	43.6	43.2	43.7	.4	.0
Transportation	26.9	26.5	26.2	.4	.8
Trucking and Warehousing	12.3	12.0	12.3	.4	.1
Transportation by Air	5.5	5.5	5.3	.0	.3
Communications, Electric, Gas Services	16.7	16.7	17.5	.0	-.8
Communications	9.9	9.9	10.2	.0	-.3
Electric, Gas, and Sanitary Services	6.8	6.8	7.3	.0	-.4
Wholesale Trade	68.9	68.6	67.3	.2	1.6
Wholesale Trade-Durable Goods	46.9	46.8	45.9	.1	1.0
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.1	.0	-.1
Professional and Commercial Equipment	9.1	9.1	9.1	.0	.0
Retail Trade	172.1	168.5	168.1	3.6	4.1
General Merchandise Stores	23.3	22.5	23.5	.8	-.2
Finance, Insurance, and Real Estate	57.9	57.8	57.1	.0	.8
Finance	27.9	27.9	27.9	.0	.0
Depository Institutions	20.6	20.6	20.6	.0	.0
Commercial Banks	12.8	12.8	13.0	.0	-.2
Insurance	18.8	18.7	18.3	.1	.5
Insurance Carriers	14.2	14.2	13.8	.1	.4
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	.0	.2
Services	261.4	261.6	254.6	-.2	6.8
Business Services	54.8	54.7	53.1	.2	1.8
Personnel Supply Services	21.0	20.9	20.6	.1	.4
Computer and Data Processing Services	7.1	7.1	6.6	.0	.5
Amusements, Including Motion Pictures	11.0	10.9	10.4	.1	.5
Health Services	80.4	80.3	79.2	.1	1.2
Nursing and Personal Care Facilities	13.7	13.7	13.5	.0	.2
Hospitals	43.6	43.6	43.6	.0	.0
Legal Services	9.9	9.8	9.5	.1	.4
Educational Services	18.4	19.2	18.3	-.8	.1
Social Services	14.5	14.3	14.0	.2	.5
Residential Care	4.0	3.9	3.7	.1	.4
Engineering and Management Services	22.5	22.5	21.6	.0	.8
Engineering and Architectural Services	8.1	8.1	7.9	.0	.2
Accounting, Auditing, and Bookkeeping	6.7	6.7	6.4	.0	.3
Management and Public Relations	4.9	4.9	4.6	.0	.3
Government	120.1	119.8	119.9	.3	.2
Federal Government	19.9	19.7	20.9	.2	-1.0
State Government	8.4	8.0	8.1	.3	.2
State Government Education[h]	3.4	3.1	3.2	.3	.2
Local Government	91.8	92.1	90.9	-.3	1.0
Local Government Education	46.8	47.0	47.3	-.2	-.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

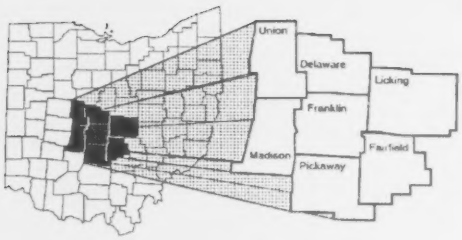
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$517.52	$518.37	$511.70	42.7	42.6	43.0	$12.12	$12.18	$11.90
Durable Goods[f]	546.05	548.66	542.82	43.2	43.1	43.6	12.64	12.73	12.45
Stone, Clay, and Glass Products	509.07	512.67	489.63	42.6	43.3	41.6	11.95	11.84	11.77
Primary Metal Industries	534.69	552.25	527.88	43.4	44.5	44.1	12.32	12.41	11.97
Iron and Steel Foundries	762.67	866.71	762.08	42.3	46.9	44.0	18.03	18.48	17.32
Fabricated Metal Products	565.49	544.85	527.30	43.6	42.6	42.8	12.97	12.79	12.32
Screw Machine Products, Bolts, etc.	539.18	494.05	501.30	43.8	41.0	42.7	12.31	12.05	11.74
Metal Forgings and Stampings	694.82	688.10	645.60	44.2	43.8	43.3	15.72	15.71	14.91
Industrial Machinery and Equipment	552.15	560.62	526.24	44.6	44.6	44.0	12.38	12.57	11.96
Metalworking Machinery	520.22	527.22	530.72	43.1	43.5	44.9	12.07	12.12	11.82
Electronic and Other Electric Equipment	439.30	434.89	419.99	41.6	41.3	40.5	10.56	10.53	10.37
Electrical Industrial Apparatus	465.78	458.59	431.60	43.9	43.8	41.5	10.61	10.47	10.40
Electric Lighting and Wiring Equipment	404.39	405.46	366.15	37.9	38.0	37.4	10.67	10.67	9.79
Transportation Equipment	695.84	709.75	758.62	42.3	42.5	45.7	16.45	16.70	16.60
Motor Vehicles and Equipment	54.60	768.35	843.59	41.1	41.6	46.3	18.36	18.47	18.22
Instruments and Related Products	423.84	454.57	449.77	39.5	41.4	41.8	10.73	10.98	10.76
Measuring and Controlling Devices	451.14	443.63	479.83	41.2	40.7	43.7	10.95	10.90	10.98
Nondurable Goods[g]	449.60	445.78	435.97	41.4	41.2	41.6	10.86	10.82	10.48
Food and Kindred Products	457.88	458.54	479.27	40.7	40.4	43.1	11.25	11.35	11.12
Apparel and Other Textile Products	403.39	379.23	376.27	39.9	38.5	39.4	10.11	9.85	9.55
Paper and Allied Products	523.16	509.18	516.64	45.1	44.2	45.2	11.60	11.52	11.43
Printing and Publishing	412.78	412.26	369.15	39.2	39.3	37.9	10.53	10.49	9.74
Chemicals and Allied Products	557.83	554.04	540.58	42.1	42.1	42.7	13.25	13.16	12.66
Rubber and Miscellaneous Plastics Products	378.78	373.43	381.74	41.9	41.4	42.7	9.04	9.02	8.94
Miscellaneous Plastics Products	392.41	389.08	390.92	42.7	42.2	43.1	9.19	9.22	9.07
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	497.70	497.67	469.91	35.0	34.9	34.3	14.22	14.26	13.70
Communications, Electric, Gas Services	669.50	662.54	610.78	42.4	42.2	40.8	15.79	15.70	14.97
Wholesale Trade	472.80	470.44	460.52	39.4	39.4	39.7	12.00	11.94	11.60
Retail Trade[i]	198.81	193.99	186.26	28.2	27.4	27.8	7.05	7.08	6.70
General Merchandise Stores	202.49	193.76	200.34	28.4	28.0	30.4	7.13	6.92	6.59
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	322.22	322.30	317.17	....	....	....	.....	.....	.....
Depository Institutions	293.94	293.99	292.29	....	....	....	.....	.....	.....
Commercial Banks	285.31	283.91	287.67	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	340.07	341.00	320.33	31.0	31.0	31.1	10.97	11.00	10.30
Nursing and Personal Care Facilities	256.43	253.60	224.29	34.1	33.5	32.6	7.52	7.57	6.88
Hospitals	373.90	374.83	353.30	30.3	30.4	30.3	12.34	12.33	11.66

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

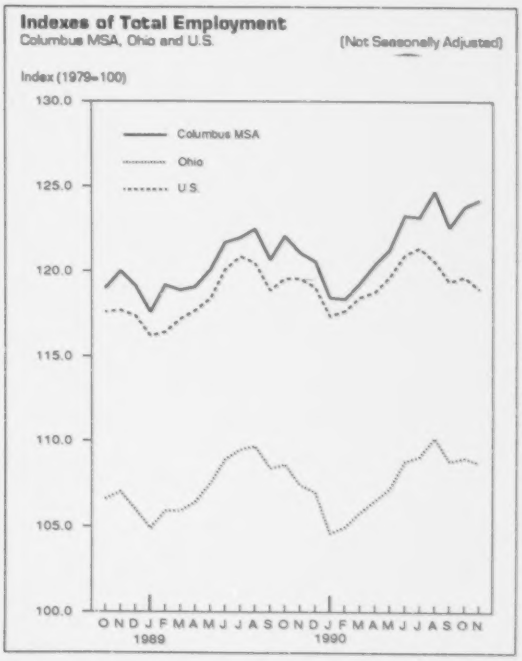
Columbus Metropolitan Statistical Area

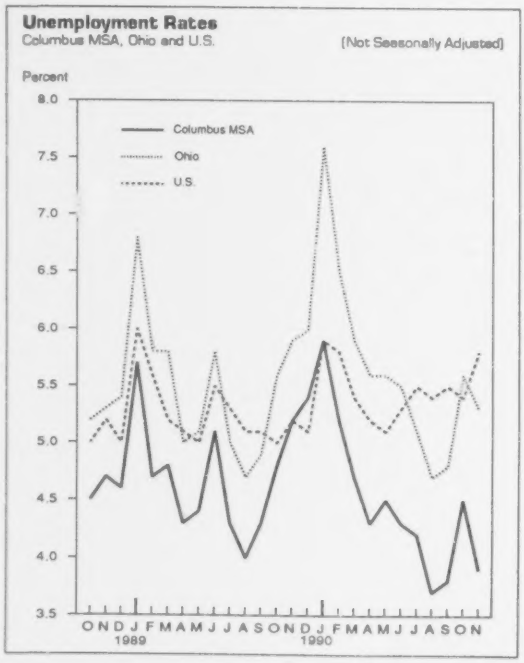


Nonagricultural payroll employment in the Columbus metropolitan area rose 1,700 above the November level to 740,800 in December 1990. The number of employees in service-producing industries increased 3,100. More business in retail trade and the continued return of nonteaching personnel in state schools and colleges more than offset declines in services. Seasonal layoffs in construction lowered employment in goods-producing industries 1,500 over the month to 135,800. Manufacturing employment declined slightly as cutbacks in stone, clay, and glass products negated modest growth in fabricated metal products. Factory production workers averaged $12.67 per hour, up 5 cents from November. Their average workweek was 0.2 hours shorter at 42.7 hours.

Nonfarm wage and salary employment advanced 22,200 between December 1989 and December 1990. Growth in the service-producing sector contributed 98.2 percent of the improvement. Leading areas of expansion were services (+8,700) and retail trade (+7,000). Noteworthy gains were posted in state and local government, wholesale trade, and finance, insurance, and real estate. Nominal growth in construction and manufacturing increased employment in goods-producing industries 400. Over-the-year gains in food and kindred products, transportation equipment, industrial machinery and equipment, and printing and publishing outweighed reductions in fabricated metal products, instruments and related products, and stone, clay, and glass products.

Seasonally adjusted employment in the Columbus area rose 1,000 from November to 731,000 in December 1990 mainly due to an increase in services. Since December 1989, total payroll employment advanced 22,000. A major portion of the growth occurred in services (+9,000), retail trade (+6,000), and government (+3,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
742.4	711.6	30.8	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
747.6	720.2	27.4	3.7	August	726.4	105.5	70.3	515.41	41.7	12.36
736.6	708.3	28.3	3.8	September	730.2	106.0	70.9	529.61	42.2	12.55
748.8	715.2	33.6	4.5	October	737.2	106.6	71.0	530.88	42.1	12.61
746.6	717.3	29.3	3.9	November	739.2	105.4	69.9	541.40	42.9	12.62
INA	INA	INA	INA	December	740.8	105.3	69.9	541.01	42.7	12.67

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
730	137	30	105	August	593	31	38	153	61	181	128
728	136	30	105	September	592	32	38	152	61	181	128
729	137	30	106	October	593	32	38	152	61	181	128
730	136	30	105	November	594	32	38	152	61	182	129
731	136	30	105	December	595	32	38	152	61	183	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	740.8	739.2	718.6	1.7	22.2
Goods-Producing Industries[e]	135.8	137.3	135.4	-1.5	.4
Construction	29.6	31.0	29.3	-1.4	.3
Manufacturing	105.3	105.4	105.2	-.1	.1
Durable Goods[f]	65.4	65.5	66.0	-.1	-.6
Stone, Clay, and Glass Products	9.5	10.0	9.8	-.5	-.3
Glass and Glassware, Pressed or Blown	3.0	3.5	3.5	-.5	-.5
Fabricated Metal Products	9.3	8.9	10.0	.4	-.7
Industrial Machinery and Equipment	10.0	10.0	9.5	.0	.4
Electronic and Other Electric Equipment	9.4	9.3	9.2	.1	.2
Transportation Equipment	14.5	14.6	14.0	-.1	.5
Motor Vehicles and Equipment	13.5	13.5	13.3	.0	.1
Instruments and Related Products	4.4	4.3	4.8	.0	-.4
Nondurable Goods[g]	39.8	39.8	39.2	.0	.6
Food and Kindred Products	11.3	11.3	10.7	.0	.6
Dairy Products	4.6	4.6	4.0	.0	.6
Printing and Publishing	11.3	11.2	11.0	.1	.3
Chemicals and Allied Products	6.8	6.7	6.8	.0	.0
Rubber and Miscellaneous Plastics Products	6.4	6.4	6.3	.0	.1
Service-Producing Industries	605.0	601.9	583.2	3.1	21.8
Transportation and Public Utilities	32.1	32.0	31.5	.1	.6
Transportation	19.9	19.8	19.2	.1	.7
Trucking and Warehousing	14.4	14.3	13.7	.1	.8
Communications, Electric, Gas Services	12.2	12.2	12.3	.0	.0
Communications	7.6	7.6	7.7	.0	-.1
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.7	38.7	37.5	-.1	1.2
Wholesale Trade-Durable Goods	24.8	24.8	24.2	.0	.5
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.2
Machinery, Equipment, and Supplies	5.5	5.5	5.4	.0	.0
Wholesale Trade-Nondurable Goods	13.9	13.9	13.3	-.1	.6
Retail Trade	158.5	156.4	151.4	2.1	7.0
General Merchandise Stores	24.1	23.3	23.7	.8	.4
Food Stores	17.6	17.3	17.3	.3	.3
Automotive Dealers and Service Stations	14.9	14.9	14.3	.0	.6
Finance, Insurance, and Real Estate	61.0	60.8	60.0	.2	1.0
Finance	24.2	24.1	23.8	.1	.4
Depository Institutions	14.5	14.4	14.3	.0	.2
Commercial Banks	12.5	12.4	12.0	.1	.5
Insurance	27.8	27.7	27.5	.1	.2
Insurance Carriers	23.8	23.8	23.6	.0	.2
Services	182.2	182.8	173.5	-.6	8.7
Business Services	40.4	40.4	37.6	.0	2.8
Personnel Supply Services	15.4	15.5	13.7	-.1	1.6
Health Services	47.6	47.5	45.4	.1	2.3
Nursing and Personal Care Facilities	8.3	8.3	8.2	.0	.1
Hospitals	22.0	22.0	21.0	.0	1.1
Legal Services	4.7	4.6	4.5	.0	.2
Educational Services	7.5	7.7	7.9	-.2	-.4
Social Services	13.5	13.3	13.0	.1	.5
Engineering and Management Services	18.6	18.5	17.8	.1	.8
Engineering and Architectural Services	4.8	4.7	4.5	.0	.3
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.1	.0	.1
Research and Testing Services	6.2	6.2	6.1	.0	.1
Government	132.6	131.1	129.3	1.5	3.3
Federal Government	15.5	15.1	16.2	.4	-.8
State Government	59.8	58.6	57.3	1.2	2.5
State Government Education[h]	26.3	25.5	24.8	.8	1.4
Local Government	57.3	57.4	55.8	-.1	1.5
Local Government Education	34.8	35.0	33.9	-.2	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

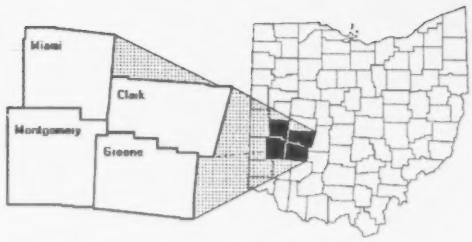
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$541.01	$541.40	$525.64	42.7	42.9	42.7	$12.67	$12.62	$12.31
Durable Goods[f]	556.41	556.42	540.56	42.9	43.1	42.8	12.97	12.91	12.63
Stone, Clay, and Glass Products	516.95	521.73	484.57	42.2	42.8	41.1	12.25	12.19	11.79
Glass and Glassware, Pressed or Blown	455.40	466.57	452.65	41.4	42.3	41.3	11.00	11.03	10.96
Fabricated Metal Products	522.70	510.41	526.26	40.9	40.8	41.9	12.78	12.51	12.56
Industrial Machinery and Equipment	563.41	576.28	505.98	45.4	45.7	42.2	12.41	12.61	11.99
Electronic and Other Electric Equipment	607.93	565.93	530.43	45.3	43.3	43.3	13.42	13.07	12.25
Transportation Equipment	640.66	660.51	673.40	43.2	44.3	45.5	14.83	14.91	14.80
Motor Vehicles and Equipment	637.72	658.06	675.34	42.8	43.9	45.6	14.90	14.99	14.81
Instruments and Related Products	457.60	438.86	403.35	41.6	40.9	39.7	11.00	10.73	10.16
Nondurable Goods[g]	510.20	512.19	495.23	42.2	42.4	42.4	12.09	12.08	11.68
Food and Kindred Products	487.74	455.60	442.80	44.3	42.9	42.7	11.01	10.62	10.37
Dairy Products	648.26	589.58	662.13	44.8	42.6	46.4	14.47	13.84	14.27
Printing and Publishing	576.11	592.24	578.93	40.6	41.3	41.8	14.19	14.34	13.85
Chemicals and Allied Products	681.97	697.54	677.40	43.8	44.6	45.1	15.57	15.64	15.02
Rubber and Miscellaneous Plastics Products	397.94	394.42	377.24	41.8	41.3	41.5	9.52	9.55	9.09
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	439.28	421.69	451.44	34.0	33.1	34.2	12.92	12.74	13.20
Communications, Electric, Gas Services	683.32	687.75	663.71	44.0	44.2	44.1	15.53	15.56	15.05
Communications	671.76	654.23	583.95	43.2	42.4	40.3	15.55	15.43	14.49
Electric, Gas, and Sanitary Services	701.70	743.87	801.57	45.3	47.2	50.7	15.49	15.76	15.81
Wholesale Trade	412.73	412.62	398.59	38.9	39.0	38.4	10.61	10.58	10.38
Retail Trade[i]	194.45	185.36	190.94	28.1	27.1	28.8	6.92	6.84	6.63
General Merchandise Stores	226.02	204.40	212.75	29.7	27.4	30.7	7.61	7.46	6.93
Food Stores	193.72	193.01	193.60	27.4	27.3	27.5	7.07	7.07	7.04
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	469.05	468.11	435.91	....	....	....	.....	.....	.....
Depository Institutions	303.29	300.06	284.10	....	....	....	.....	.....	.....
Commercial Banks	302.83	298.97	283.96	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	253.17	247.83	225.66	33.4	33.0	32.1	7.58	7.51	7.03
Hospitals	390.25	399.94	397.66	33.7	34.3	34.4	11.58	11.66	11.56
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	510.32	499.36	486.86	39.9	38.8	39.2	12.79	12.87	12.42

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Dayton-Springfield Metropolitan Statistical Area

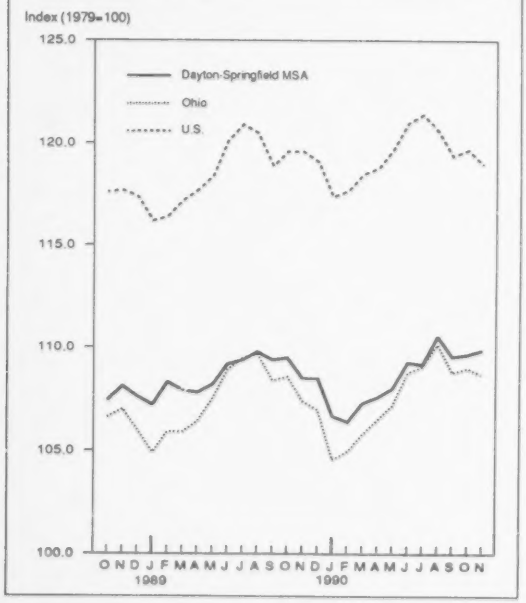


Nonfarm wage and salary employment in the Dayton-Springfield metropolitan area increased 100 above the November level to 463,100 in December 1990. Seasonal hiring in retail trade helped raise employment in service-producing industries 1,700. Reductions in manufacturing, especially rubber and miscellaneous plastics products, and less business in construction lowered employment in goods-producing industries 1,700 over the month to 120,200. Factory production workers averaged $13.66 per hour, up 12 cents from November. Their average workweek was 0.1 hours shorter at 41.6 hours.

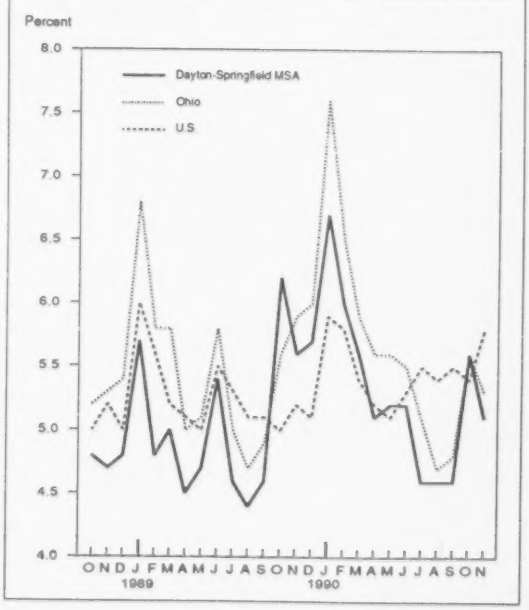
Nonagricultural payroll employment advanced 4,800 between December 1989 and December 1990. Expansion in service-producing industries created 7,200 jobs. Leading growth sectors were services, particularly business services, and retail trade. Employment in goods-producing industries dropped 2,300 due to over-the-year production cutbacks in manufacturing and modest declines in construction. Reductions in industrial machinery and equipment, rubber and miscellaneous plastics products, and fabricated metal products negated improvements in transportation equipment and paper and allied products.

Seasonally adjusted employment in the Dayton-Springfield area was unchanged from November at 457,000 in December 1990. An increase in services offset a decline in manufacturing. Since December 1989, total payroll employment advanced 4,000. Expansion in services, retail trade, transportation and public utilities, and government outweighed decreases in manufacturing and construction.

Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
478.5	456.5	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
484.6	462.4	22.2	4.6	August	456.7	104.7	67.4	557.19	41.8	13.33
480.5	458.2	22.3	4.6	September	462.4	104.8	68.0	590.04	43.1	13.69
485.8	458.4	27.4	5.6	October	462.5	104.3	67.9	580.98	42.5	13.67
483.8	459.3	24.5	5.1	November	463.1	103.4	67.0	564.62	41.7	13.54
INA	INA	INA	INA	December	463.1	102.5	66.2	568.26	41.6	13.66

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
460	122	17	104	August	338	19	22	82	18	118	80
458	122	17	104	September	336	19	22	82	18	118	78
457	121	17	104	October	336	18	21	82	18	118	78
457	121	17	103	November	336	19	21	82	18	118	78
457	120	17	102	December	338	19	21	82	18	120	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	463.1	463.1	458.3	.1	4.8
Goods-Producing Industries[e]	120.2	121.9	122.5	-1.7	-2.3
Construction	17.2	18.0	17.7	-.8	-.5
Manufacturing	102.5	103.4	104.3	-.9	-1.8
Durable Goods[f]	73.1	73.5	74.8	-.4	-1.7
Fabricated Metal Products	8.1	8.2	8.5	-.1	-.4
Industrial Machinery and Equipment	30.1	30.2	31.5	-.1	-1.4
Metalworking Machinery	8.0	8.1	8.4	.0	-.4
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.8	3.9	3.8	-.1	-.1
Transportation Equipment	22.7	22.8	22.3	-.1	.5
Motor Vehicles and Equipment	19.7	19.8	19.1	-.1	.6
Nondurable Goods[g]	29.4	29.9	29.5	-.4	-.1
Food and Kindred Products	2.6	2.7	2.8	-.1	-.1
Paper and Allied Products	6.4	6.4	5.9	.0	.5
Printing and Publishing	9.1	9.0	9.2	.1	-.1
Rubber and Miscellaneous Plastics Products	7.2	7.5	7.8	-.3	-.6
Service-Producing Industries	342.9	341.2	335.8	1.7	7.2
Transportation and Public Utilities	18.8	18.7	18.0	.1	.8
Transportation	12.4	12.3	11.7	.1	.7
Trucking and Warehousing	6.9	6.8	6.6	.1	.3
Communications, Electric, Gas Services	6.4	6.4	6.3	.1	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.6	21.5	21.4	.1	.2
Wholesale Trade-Durable Goods	15.0	14.9	14.9	.0	.0
Wholesale Trade-Nondurable Goods	6.6	6.5	6.4	.1	.2
Retail Trade	85.2	83.7	83.5	1.5	1.7
General Merchandise Stores	12.8	12.2	13.0	.6	-.2
Finance, Insurance, and Real Estate	17.7	17.6	17.7	.1	.0
Finance	9.5	9.4	9.6	.1	-.1
Depository Institutions	7.3	7.3	7.3	.0	.0
Insurance	4.6	4.5	4.4	.0	.1
Services	120.0	119.9	116.3	.1	3.7
Business Services	24.7	24.4	22.6	.2	2.0
Personnel Supply Services	7.4	7.4	6.5	.1	.9
Computer and Data Processing Services	5.7	5.6	5.1	.1	.6
Health Services	40.1	39.8	39.2	.3	.9
Nursing and Personal Care Facilities	7.2	7.2	7.2	.0	.0
Hospitals	20.3	20.2	20.0	.1	.3
Educational Services	9.1	9.4	9.0	-.3	.1
Social Services	6.1	6.1	6.0	.0	.0
Engineering and Management Services	10.1	10.2	9.9	.0	.2
Research and Testing Services	3.4	3.4	3.3	.0	.0
Government	79.6	79.8	78.9	-.2	.8
Federal Government	27.9	28.1	29.3	-.1	-1.3
State Government	7.8	7.7	7.4	.1	.3
State Government Education[h]	4.9	4.8	4.6	.1	.3
Local Government	43.9	44.0	42.2	-.1	1.7
Local Government Education	28.0	28.3	27.1	-.3	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

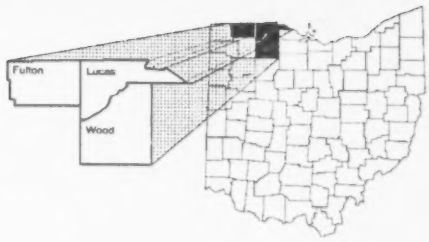
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$568.26	$564.62	$551.51	41.6	41.7	42.1	$13.66	$13.54	$13.10
Durable Goods[f]	591.78	588.14	571.20	42.0	42.1	42.5	14.09	13.97	13.44
Fabricated Metal Products	399.15	388.90	403.65	40.4	40.3	41.4	9.88	9.65	9.75
Industrial Machinery and Equipment	611.89	618.32	604.88	42.7	43.3	43.8	14.33	14.28	13.81
Metalworking Machinery	605.62	612.46	620.10	44.4	45.2	46.8	13.64	13.55	13.25
General Industrial Machinery	567.46	565.95	569.05	45.8	45.9	47.5	12.39	12.33	11.98
Electronic and Other Electric Equipment	408.11	392.01	357.79	44.7	43.8	41.7	9.13	8.95	8.58
Transportation Equipment	724.87	714.81	695.88	41.9	41.9	42.2	17.30	17.06	16.49
Motor Vehicles and Equipment	725.23	716.63	693.06	41.3	41.4	41.6	17.56	17.31	16.66
Nondurable Goods[g]	503.03	498.97	495.69	40.6	40.6	41.0	12.39	12.29	12.09
Food and Kindred Products	341.64	331.39	379.95	39.0	38.4	42.5	8.76	8.63	8.94
Paper and Allied Products	514.51	520.93	489.63	43.9	44.6	43.6	11.72	11.68	11.23
Printing and Publishing	450.38	453.94	472.42	38.2	38.6	39.9	11.79	11.76	11.84
Rubber and Miscellaneous Plastics Products	635.87	615.23	606.43	39.3	38.5	38.7	16.18	15.98	15.67
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	609.86	585.67	568.51	41.8	40.7	40.9	14.59	14.39	13.90
Communications	627.94	607.87	563.81	42.2	41.1	40.1	14.88	14.79	14.06
Wholesale Trade	393.67	401.17	392.24	38.9	39.1	39.5	10.12	10.26	9.93
Retail Trade[i]	185.83	178.28	173.09	28.9	27.9	28.8	6.43	6.39	6.01
General Merchandise Stores	212.28	181.27	195.25	30.5	27.3	30.7	6.96	6.64	6.36
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	291.59	284.90	281.64	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	416.24	418.14	407.97	34.6	34.7	35.2	12.03	12.05	11.59

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

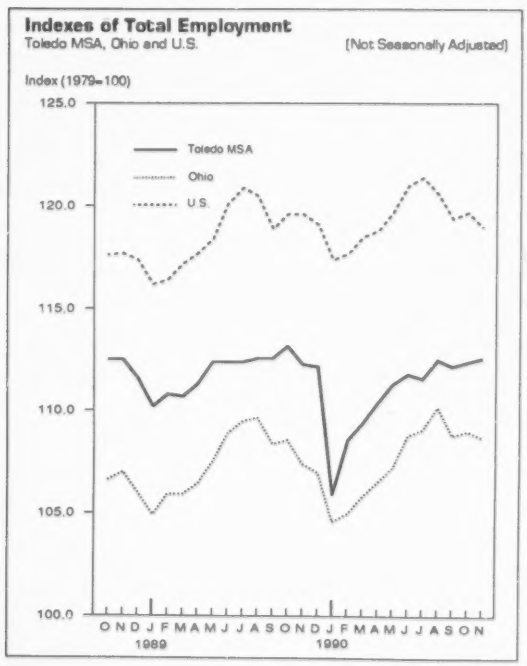
Toledo Metropolitan Statistical Area

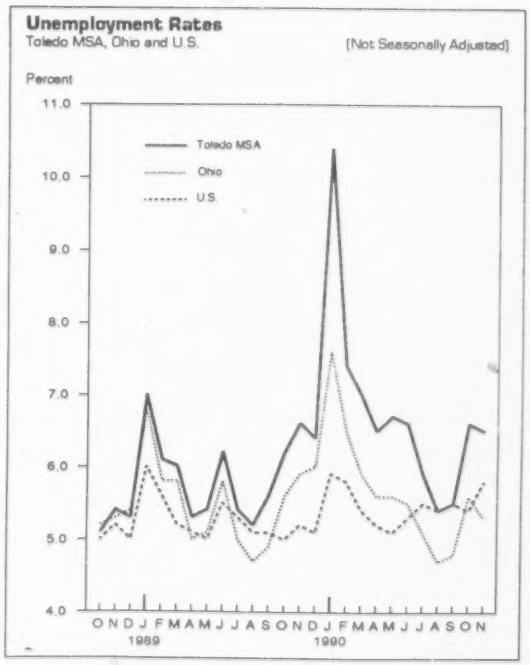


Nonagricultural payroll employment in the Toledo metropolitan area totaled 300,600 in December 1990, down 1,400 from the November level. Decreased production in durable-goods manufacturing and seasonal layoffs in construction lowered employment in goods-producing industries 2,000 to 70,300. Reductions in transportation equipment, stone, clay, and glass products, and fabricated metal products negated a nominal gain in food and kindred products. Employment in service-producing industries increased 600 as more business in retail trade outweighed decreases in state and local schools and colleges. Manufacturing production workers averaged $13.65 per hour, little changed from November. Their average workweek of 43.1 hours was 0.3 hours shorter.

Nonfarm wage and salary employment decreased 200 between December 1989 and December 1990. The workforce in goods-producing industries dropped 2,700 due to over-the-year production cutbacks in durable-goods manufacturing, especially transportation equipment, and scattered declines among manufacturers of nondurable goods. Employment in service-producing industries advanced 2,500 during the period. A major portion of the improvement occurred in services (+2,100). Modest gains were posted in wholesale trade and retail trade.

Seasonally adjusted employment in the Toledo area was 2,000 below the November level at 295,000 in December 1990 mainly due to declines in manufacturing and retail trade. Since December 1989, total payroll employment decreased 1,000 as reductions in manufacturing negated growth in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
316.8	298.2	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46
317.9	300.7	17.2	5.4	August	294.8	60.0	43.2	584.87	43.1	13.57
317.5	299.9	17.5	5.5	September	300.8	60.7	43.9	610.94	44.4	13.76
321.6	300.3	21.3	6.6	October	301.0	59.1	42.5	582.71	43.1	13.52
321.7	300.9	20.8	6.5	November	302.0	59.1	42.4	591.98	43.4	13.64
INA	INA	INA	INA	December	300.6	57.9	41.3	588.32	43.1	13.65

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	43
298	72	13	60	September	225	14	16	60	12	79	43
296	71	12	59	October	225	15	16	60	12	79	43
297	71	12	59	November	226	15	16	60	12	79	44
295	70	12	58	December	225	15	16	59	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	300.6	302.0	300.7	-1.4	-.2
Goods-Producing Industries[e]	70.3	72.3	73.0	-2.0	-2.7
Construction	12.2	13.0	12.3	-.8	-.1
Manufacturing	57.9	59.1	60.4	-1.2	-2.5
Durable Goods[f]	43.0	44.3	44.7	-1.3	-1.6
Stone, Clay, and Glass Products	7.6	7.8	7.9	-.2	-.4
Primary Metal Industries	3.7	3.6	3.3	.0	.4
Fabricated Metal Products	6.9	7.1	6.9	-.2	.0
Metal Forgings and Stampings	2.4	2.5	2.6	-.1	-.2
Industrial Machinery and Equipment	5.7	5.7	5.7	.0	.0
Transportation Equipment	12.2	13.1	14.2	-.9	-1.9
Nondurable Goods[g]	14.9	14.8	15.8	.0	-.9
Food and Kindred Products	3.7	3.5	3.9	.2	-.1
Rubber and Miscellaneous Plastics Products	4.1	4.2	4.2	.0	-.1
Service-Producing Industries	230.2	229.6	227.7	.6	2.5
Transportation and Public Utilities	14.9	14.8	15.2	.1	-.3
Transportation	9.9	9.8	10.2	.1	-.4
Communications, Electric, Gas Services	5.1	5.1	4.9	.0	.1
Wholesale Trade	16.3	16.3	15.9	.0	.4
Wholesale Trade-Durable Goods	10.8	10.8	10.5	-.1	.2
Wholesale Trade-Nondurable Goods	5.5	5.5	5.4	.0	.1
Retail Trade	62.3	61.4	61.9	.9	.4
General Merchandise Stores	9.3	8.9	9.5	.4	-.3
Finance, Insurance, and Real Estate	12.0	12.1	12.0	-.1	.0
Finance	6.3	6.3	6.3	.0	.0
Insurance	3.7	3.7	3.7	.0	.0
Services	79.2	79.2	77.1	.0	2.1
Business Services	13.8	13.8	13.7	.0	.1
Personnel Supply Services	5.3	5.4	5.3	-.1	.0
Health Services	28.4	28.3	27.7	.2	.7
Nursing and Personal Care Facilities	4.2	4.1	4.2	.0	.0
Hospitals	15.4	15.4	15.1	.0	.3
Engineering and Management Services	6.6	6.6	6.2	.0	.5
Government	45.5	45.8	45.6	-.3	-.1
Federal Government	2.6	2.6	2.6	.0	-.1
State Government	17.9	18.0	17.6	-.1	.3
State Government Education[h]	13.5	13.7	13.3	-.2	.2
Local Government	25.1	25.2	25.3	-.1	-.3
Local Government Education	15.0	15.2	15.0	-.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

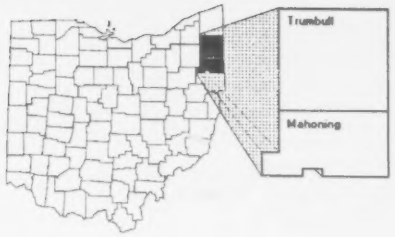
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$588.32	$591.98	$565.02	43.1	43.4	43.0	$13.65	$13.64	$13.14
Durable Goods[f]	588.83	592.54	577.15	42.7	43.0	43.2	13.79	13.78	13.36
Stone, Clay, and Glass Products	524.48	519.55	501.23	41.2	41.3	41.7	12.73	12.58	12.02
Primary Metal Industries	504.88	532.73	548.02	43.3	45.3	46.6	11.66	11.76	11.76
Fabricated Metal Products	508.62	507.29	512.20	42.0	43.1	44.5	12.11	11.77	11.51
Metal Forgings and Stampings	758.73	725.65	654.27	44.5	43.4	41.7	17.05	16.72	15.69
Industrial Machinery and Equipment	498.38	490.88	496.17	42.2	41.6	42.7	11.81	11.80	11.62
Transportation Equipment	772.91	772.52	714.33	43.3	43.4	42.8	17.85	17.80	16.69
Nondurable Goods[g]	587.41	586.07	531.22	44.4	44.5	42.6	13.23	13.17	12.47
Food and Kindred Products	747.58	773.22	645.24	48.2	49.0	45.6	15.51	15.78	14.15
Rubber and Miscellaneous Plastics Products	362.91	367.74	358.97	41.1	41.6	40.7	8.83	8.84	8.82
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	638.93	635.73	616.10	40.8	40.7	41.6	15.66	15.62	14.81
Wholesale Trade	414.56	412.73	415.11	39.9	39.8	39.8	10.39	10.37	10.43
Retail Trade[i]	169.64	167.48	173.76	26.8	26.5	28.3	6.33	6.32	6.14
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	352.16	353.40	360.26	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State univers..ies. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

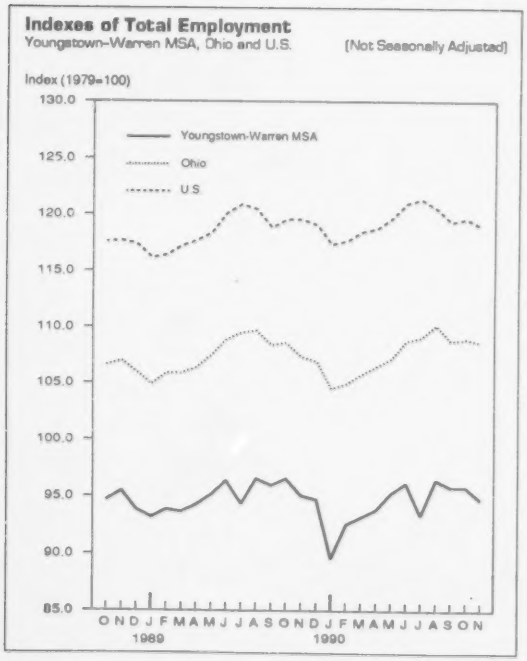
Youngstown-Warren Metropolitan Statistical Area

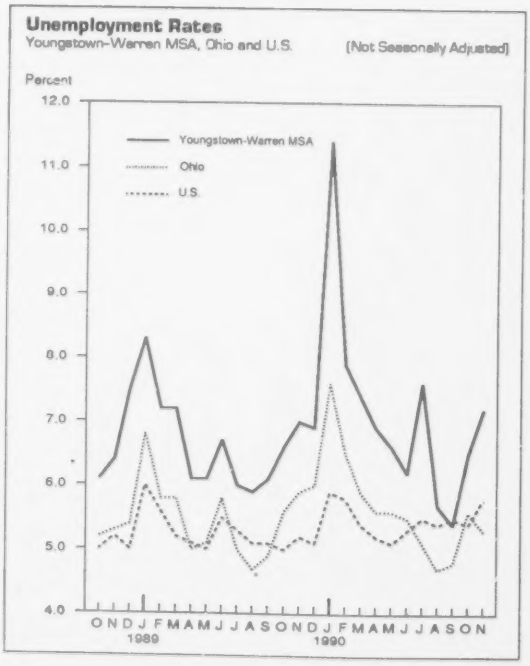


In the Youngstown-Warren metropolitan area, total nonfarm payroll employment rose 1,400 above the November level to 202,800 in December 1990. The return of nonteaching personnel in state and local schools and colleges and more business in retail trade and wholesale trade added 1,300 jobs in service-producing industries. Employment in goods-producing industries increased 100 over the month to 55,500. The return of workers from temporary shutdowns in durable-goods manufacturing, especially transportation equipment, outweighed seasonal layoffs in construction employment. Factory production workers averaged $15.24 per hour, on par with November. Their average workweek of 41.9 hours was 1.4 hours shorter.

Nonagricultural wage and salary employment advanced 700 between December 1989 and December 1990. Employment in service-producing industries rose 2,900. Leading areas of expansion were services (+1,200) and retail trade (+1,100). The workforce in goods-producing industries fell 2,200 below the year-ago level due to decreased production in durable-goods manufacturing, particularly primary metal industries. Nominal declines were posted in transportation equipment, fabricated metal products, and construction.

Seasonally adjusted employment in the Youngstown-Warren area totaled 201,000 in December 1990, up 2,000 from November. The return of workers from temporary shutdowns in manufacturing and an increase in government more than offset a decline in retail trade. Since December 1989, nonfarm payroll employment advanced 1,000. Growth in retail trade, services, and government outweighed a reduction in manufacturing.





Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$ 9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.3	205.3	17.0	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
225.2	212.3	12.8	5.7	August	201.1	48.4	36.0	605.48	41.7	14.52
222.7	210.8	11.9	5.4	September	203.9	49.0	36.8	682.12	44.7	15.26
225.3	210.8	14.6	6.5	October	204.0	48.6	36.4	664.02	43.4	15.30
224.5	208.4	16.1	7.2	November	201.4	46.6	34.5	659.89	43.3	15.24
INA	INA	INA	INA	December	202.8	47.5	35.4	638.56	41.9	15.24

INA – Information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25
202	57	8	48	September	145	8	12	43	9	48	25
201	56	8	48	October	145	8	12	44	9	48	25
199	55	8	46	November	145	8	12	44	9	48	24
201	56	8	47	December	145	8	12	43	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	202.8	201.4	202.1	1.4	.7
Goods-Producing Industries[e]	55.5	55.4	57.7	.1	-2.2
Construction	7.5	8.3	7.7	-.8	-.2
Manufacturing	47.5	46.6	49.6	.9	-2.1
Durable Goods[f]	42.4	41.3	44.5	1.1	-2.1
Primary Metal Industries	17.0	17.2	18.1	-.3	-1.1
Blast Furnace and Basic Steel Products	6.0	6.0	5.9	.0	.1
Fabricated Metal Products	7.3	7.3	7.5	.0	-.2
Metal Forgings and Stampings	3.9	3.9	4.0	.0	.0
Industrial Machinery and Equipment	4.2	4.1	4.3	.0	-.1
Transportation Equipment	9.0	7.7	9.4	1.3	-.3
Nondurable Goods[g]	5.2	5.4	5.2	-.2	.0
Service-Producing Industries	147.3	146.0	144.4	1.3	2.9
Transportation and Public Utilities	7.9	7.9	8.0	.0	.0
Wholesale Trade	12.0	11.8	*11.6	.2	.3
Wholesale Trade-Durable Goods	7.2	7.2	7.2	.0	.0
Wholesale Trade-Nondurable Goods	4.8	4.6	4.5	.2	.3
Retail Trade	44.6	44.3	43.5	.4	1.1
General Merchandise Stores	5.7	5.5	5.9	.2	-.2
Finance, Insurance, and Real Estate	8.6	8.6	8.7	.0	-.1
Finance	4.7	4.7	4.7	.0	.0
Services	48.2	48.2	46.9	.0	1.2
Health Services	21.5	21.4	21.3	.1	.2
Nursing and Personal Care Facilities	4.9	4.9	4.8	.0	.0
Hospitals	10.7	10.7	10.8	.0	-.1
Government	25.9	25.2	25.5	.7	.4
State Government	4.6	4.2	4.5	.5	.1
State Government Education[h]	3.1	2.7	3.1	.5	.1
Local Government	19.3	19.1	18.8	.2	.5
Local Government Education	12.7	12.4	12.4	.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$638.56	$659.89	$596.71	41.9	43.3	42.2	$15.24	$15.24	$14.14
Durable Goods[f]	655.92	682.08	613.10	42.1	43.5	42.4	15.58	15.68	14.46
Primary Metal Industries	660.51	670.12	627.68	41.0	41.7	40.6	16.11	16.07	15.46
Blast Furnace and Basic Steel Products	682.91	697.34	608.89	47.0	47.6	43.9	14.53	14.65	13.87
Fabricated Metal Products	632.27	717.10	582.58	41.9	45.3	42.9	15.09	15.83	13.58
Metal Forgings and Stampings	795.08	930.02	682.13	44.0	49.0	43.2	18.07	18.98	15.79
Industrial Machinery and Equipment	520.80	505.11	515.30	42.0	41.2	42.1	12.40	12.26	12.24
Transportation Equipment	815.36	868.80	741.01	45.5	48.0	46.4	17.92	18.10	15.97
Nondurable Goods[g]	455.26	440.59	405.73	39.9	41.1	39.7	11.41	10.72	10.22
Wholesale Trade	374.50	377.00	378.02	37.6	37.7	38.3	9.96	10.00	9.87
Retail Trade[f]	189.39	181.04	186.91	28.1	26.9	28.8	6.74	6.73	6.49
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	229.23	229.61	220.51	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Nonfarm wage and salary employment in the Hamilton-Middletown metropolitan area totaled 98,200 in December 1990, unchanged from the November level. Seasonal growth in retail trade raised employment in the service-producing sector 200. Declines in construction and mining lowered employment in goods-producing industries 200 to 27,000. Manufacturing production workers averaged $14.39 per hour, down 8 cents from November. Their average workweek was 0.4 hours shorter at 45.7 hours. Nonagricultural payroll employment rose 1,500 between December 1989 and December 1990. The improvement was concentrated in service-producing industries. Primary growth industries were state and local government, retail trade, and services, especially health services. Employment in goods-producing industries dropped 1,200 due to reductions in manufacturing, particularly industrial machinery and equipment and paper and allied products.

Lima MSA
In the Lima metropolitan area, nonagricultural payroll employment totaled 74,700 in December 1990, down 800 from November. Temporary cutbacks in manufacturing, especially transportation equipment, and seasonal layoffs in construction and mining lowered employment in goods-producing industries 1,200 to 25,200. Seasonal hiring in retail trade helped raise employment in service-producing industries 500. Manufacturing production workers averaged $13.30 per hour, down 17 cents from November. Their average workweek of 42.4 hours was 0.4 hours shorter. Nonfarm wage and salary employment rose 900 between December 1989 and December 1990. Service-producing industries added 2,400 jobs. Primary growth industries were services, particularly health services, retail trade, and local government. The workforce in goods-producing industries dropped 1,500 due to over-the-year production cutbacks in durable-goods manufacturing, especially transportation equipment.

Lorain–Elyria PMSA
Nonagricultural payroll employment in the Lorain-Elyria metropolitan area rose 1,300 above the November level to 91,400 in December 1990. Employment in goods-producing industries increased 1,100 to 30,200. The return of workers from temporary shutdowns in durable-goods manufacturing, especially transportation equipment, outweighed seasonal decreases in construction and mining. The service-producing sector added 200 jobs as gains in retail trade offset nominal declines in services. Manufacturing production workers averaged $13.12 per hour, up 34 cents from November. Their average workweek of 43.0 hours was 0.2 hours shorter. Nonfarm wage and salary employment advanced 1,000 between December 1989 and December 1990. The workforce in service-producing industries increased 600 over the year. Expansion in retail trade and local government overshadowed reductions in services. Slight growth in manufacturing and construction and mining raised employment in the goods-producing sector 400. Increased production in nondurable goods, primary metal industries, and transportation equipment outweighed a reduction in fabricated metal products.

Mansfield MSA
Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 59,600 in December 1990, up 100 from the November level. More business in retail trade and services offset nominal declines in local government to raise employment in the service-producing sector 300. Slight reductions in construction and mining and manufacturing lowered employment in goods-producing industries 100 over the month to 19,800. Factory production workers averaged $13.86 per hour, down 5 cents from November. Their average workweek of 40.4 hours was 0.7 hours shorter. Nonagricultural payroll employment fell 1,200 between December 1989 and December 1990. Goods-producing industries lost 1,300 jobs over the year due to reduced production in durable-goods manufacturing, especially fabricated metal products and electronic and other electric equipment. Employment in service-producing industries advanced 100. Growth in services and retail trade outweighed declines in local government, wholesale trade, and finance, insurance, and real estate.

Steubenville–Weirton MSA
In the Steubenville-Weirton metropolitan area, nonagricultural payroll employment totaled 53,500, down 200 from November. The workforce in service-producing industries declined 100. Less business in services negated nominal gains in retail trade. Employment in goods-producing industries, at 20,100, was unchanged over the month. Manufacturing production workers averaged $11.66 per hour, down 24 cents from November. Their average workweek was 0.7 hours shorter at 44.0 hours. Nonfarm wage and salary employment advanced 700 between December 1989 and December 1990. Increases in local government, services, and retail trade raised employment in the service-producing sector 600. Growth in construction and nondurable-goods manufacturing more than offset reductions in durable-goods manufacturing, especially primary metal industries.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	132.8	133.3	132.8	-.6	.0
Employment	126.1	125.4	124.9	.7	1.2
Unemployment	6.7	7.9	7.9	-1.2	-1.2
Unemployment Rate	5.0	5.9	5.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	98.2	98.2	96.7	.0	1.5
Goods–Producing Industries	27.0	27.2	28.1	-.2	-1.2
Construction and Mining	5.8	6.0	5.9	-.2	-.1
Manufacturing	21.1	21.1	22.2	.0	-1.1
Durable Goods	14.5	14.4	15.4	.1	-.9
Primary Metal Industries	7.2	7.1	7.1	.1	.1
Fabricated Metal Products	2.4	2.4	2.4	.0	-.1
Industrial Machinery and Equipment	2.1	2.0	2.5	.0	-.4
Nondurable Goods	6.6	6.7	6.8	.0	-.1
Paper and Allied Products	4.6	4.7	4.8	.0	-.2
Paper Mills	3.4	3.4	3.6	.0	-.2
Service–Producing Industries	71.2	71.1	68.6	.2	2.7
Transportation and Public Utilities	3.6	3.6	3.4	.0	.2
Wholesale Trade	5.7	5.7	5.6	.0	.1
Wholesale Trade–Durable Goods	3.9	3.9	3.9	.0	.1
Retail Trade	18.5	18.2	17.7	.3	.8
Food Stores	3.0	3.0	3.0	.0	.1
Finance, Insurance, and Real Estate	4.6	4.6	4.7	.0	-.2
Services	19.5	19.6	19.0	.0	.5
Health Services	8.9	8.8	8.3	.1	.6
Government	19.4	19.5	18.1	-.1	1.2
State Government (Includes Education)	8.3	8.3	7.8	.0	.6
Local Government	10.4	10.5	9.7	-.1	.6
Local Government Education	7.0	7.1	6.4	-.1	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$657.62	$667.07	$610.58	45.7	46.1	45.6	$14.39	$14.47	$13.39
Durable Goods	688.67	695.27	615.17	46.5	46.6	45.3	14.81	14.92	13.58
Primary Metal Industries	764.64	774.41	685.95	48.0	48.1	46.6	15.93	16.10	14.72
Fabricated Metal Products	543.54	572.91	530.93	42.2	43.7	43.2	12.88	13.11	12.29
Industrial Machinery and Equipment	612.26	616.77	665.28	46.0	46.2	50.4	13.31	13.35	13.20
Nondurable Goods	582.54	596.29	600.32	43.8	44.8	46.5	13.30	13.31	12.91
Paper and Allied Products	625.55	635.08	630.84	46.2	46.8	47.9	13.54	13.57	13.17
Paper Mills	622.89	616.50	651.36	45.4	45.0	48.5	13.72	13.70	13.43
Wholesale Trade	438.45	445.46	426.42	40.9	41.4	41.2	10.72	10.76	10.35
Retail Trade[f]	179.76	180.12	171.09	28.0	28.1	28.9	6.42	6.41	5.92

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	78.9	80.0	78.9	-1.1	.0
Employment	74.4	74.3	73.2	.1	1.2
Unemployment	4.5	5.7	5.6	-1.3	-1.2
Unemployment Rate	5.7	7.2	7.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	74.7	75.5	73.8	-.8	.9
Goods-Producing Industries	25.2	26.4	26.7	-1.2	-1.5
Construction and Mining	3.2	3.4	3.1	-.3	.0
Manufacturing	22.0	23.0	23.6	-1.0	-1.5
Durable Goods	15.7	16.6	17.3	-.9	-1.6
Fabricated Metal Products	2.9	3.0	2.8	-.1	.1
Industrial Machinery and Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	6.3	7.2	7.6	-.8	-1.2
Motor Vehicles and Equipment	2.7	3.6	3.6	-.8	-.9
Nondurable Goods	6.3	6.4	6.2	.0	.1
Food and Kindred Products	1.9	1.9	1.8	.0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.1	.0	.0
Service-Producing Industries	49.5	49.0	47.1	.5	2.4
Transportation and Public Utilities	3.3	3.3	3.1	.0	.2
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	15.3	15.0	14.7	.3	.6
General Merchandise Stores	2.5	2.4	2.3	.1	.1
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.4	15.5	14.3	-.1	1.1
Health Services	6.8	6.8	6.4	.0	.4
Hospitals	3.2	3.2	3.1	.0	.1
Government	9.8	9.7	9.5	.1	.4
Local Government	7.4	7.3	7.0	.2	.4
Local Government Education	4.6	4.4	4.3	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$563.92	$576.52	$567.60	42.4	42.8	43.0	$13.30	$13.47	$13.20
Durable Goods	561.43	572.18	571.13	42.5	42.7	43.3	13.21	13.40	13.19
Fabricated Metal Products	357.69	358.40	370.30	40.1	40.0	41.7	8.92	8.96	8.88
Industrial Machinery and Equipment	520.38	488.36	488.04	42.9	42.1	42.0	12.13	11.60	11.62
Transportation Equipment	696.08	721.14	717.66	42.6	43.6	44.3	16.34	16.54	16.20
Motor Vehicles and Equipment	805.37	820.32	797.74	44.3	45.7	45.9	18.18	17.95	17.38
Nondurable Goods	572.32	589.61	555.18	42.3	43.1	41.9	13.53	13.68	13.25
Food and Kindred Products	414.92	406.43	385.93	44.0	43.1	41.1	9.43	9.43	9.39
Rubber and Miscellaneous Plastics Products	605.87	645.13	529.58	43.0	45.4	42.4	14.09	14.21	12.49
Wholesale Trade	374.22	375.94	371.52	38.5	38.4	38.7	9.72	9.79	9.60
Retail Trade[j]	191.82	180.71	193.75	30.4	29.1	31.2	6.31	6.21	6.21
General Merchandise Stores	203.05	172.62	192.20	31.0	27.4	31.0	6.55	6.30	6.20

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	119.0	118.8	117.6	.2	1.3
Employment	106.3	111.0	108.7	-4.7	-2.4
Unemployment	12.6	7.8	8.9	4.9	3.7
Unemployment Rate	10.6	6.5	7.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	91.4	90.1	90.4	1.3	1.0
Goods–Producing Industries	30.2	29.1	29.9	1.1	.4
Construction and Mining	4.1	4.4	4.1	-.3	.1
Manufacturing	26.1	24.7	25.8	1.4	.3
Durable Goods	21.2	19.7	21.2	1.5	.0
Primary Metal Industries	4.4	4.4	4.2	.0	.2
Fabricated Metal Products	4.0	4.1	4.3	.0	-.3
Transportation Equipment	5.4	3.8	5.3	1.6	.1
Nondurable Goods	4.9	5.0	4.6	-.1	.3
Service–Producing Industries	61.2	61.0	60.5	.2	.6
Transportation and Public Utilities	3.5	3.5	3.5	.0	.0
Wholesale Trade	2.5	2.4	2.4	.0	.0
Retail Trade	17.7	17.5	17.2	.2	.5
Finance, Insurance, and Real Estate	3.2	3.3	3.2	.0	.0
Services	20.5	20.6	20.6	-.1	-.2
Health Services	8.6	8.7	8.5	.0	.1
Hospitals	4.1	4.1	4.1	.0	.0
Government	13.8	13.8	13.5	.0	.3
Local Government	11.8	11.8	11.5	.0	.3
Local Government Education	8.0	8.1	7.9	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$564.16	$552.10	$528.78	43.0	43.2	41.9	$13.12	$12.78	$12.62
Durable Goods	601.87	589.62	553.71	43.9	44.1	42.3	13.71	13.37	13.09
Primary Metal Industries	697.90	690.65	624.26	47.9	47.5	44.4	14.57	14.54	14.06
Fabricated Metal Products	442.38	426.54	435.60	43.8	42.4	44.0	10.10	10.06	9.90
Transportation Equipment	698.42	698.42	660.49	41.4	41.4	40.2	16.87	16.87	16.43
Nondurable Goods	389.22	395.00	402.59	39.0	39.5	39.9	9.98	10.00	10.09
Wholesale Trade	372.45	374.57	359.29	38.2	38.3	37.9	9.75	9.78	9.48
Retail Trade[j]	164.80	161.51	163.91	26.2	25.8	26.1	6.29	6.26	6.28

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.1	65.2	65.7	-1.1	-1.6
Employment	59.5	59.7	60.9	-.2	-1.4
Unemployment	4.6	5.5	4.8	-.9	-.2
Unemployment Rate	7.3	8.5	7.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	59.6	59.5	60.8	.1	-1.2
Goods-Producing Industries	19.8	19.9	21.1	-.1	-1.3
Construction and Mining	2.2	2.3	2.1	-.1	.1
Manufacturing	17.6	17.7	19.0	-.1	-1.4
Durable Goods	15.6	15.7	17.0	.0	-1.3
Fabricated Metal Products	5.3	5.3	5.7	.0	-.4
Electronic and Other Electric Equipment	3.0	3.0	3.3	.0	-.3
Nondurable Goods	2.0	2.0	2.0	.0	.0
Service-Producing Industries	39.8	39.6	39.7	.3	.1
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	-.1
Retail Trade	12.4	12.2	12.2	.2	.2
Finance, Insurance, and Real Estate	2.3	2.3	2.4	.0	-.1
Services	12.7	12.6	12.5	.2	.3
Health Services	4.5	4.5	4.4	.0	.1
Government	7.2	7.3	7.4	-.1	-.2
Local Government	5.5	5.5	5.7	-.1	-.2
Local Government Education	4.0	4.1	3.9	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$559.94	$571.70	$557.88	40.4	41.1	42.2	$13.86	$13.91	$13.22
Durable Goods	577.60	589.74	573.91	40.0	40.7	41.8	14.44	14.49	13.73
Fabricated Metal Products	727.41	694.98	698.89	40.1	39.0	41.9	18.14	17.82	16.68
Electronic and Other Electric Equipment	466.49	475.15	452.86	41.8	42.5	41.7	11.16	11.18	10.86
Nondurable Goods	395.85	409.90	402.58	43.5	44.7	45.8	9.10	9.17	8.79
Wholesale Trade	335.47	336.80	330.26	39.7	40.0	38.9	8.45	8.42	8.49
Retail Trade[f]	178.92	175.26	163.80	28.0	27.6	27.3	6.39	6.35	6.00

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Nov. 1990[b]	Oct. 1990[c]	Nov. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.4	57.9	56.5	-.5	.9
Employment	54.0	54.1	52.7	.0	1.4
Unemployment	3.4	3.8	3.8	-.5	-.4
Unemployment Rate	5.9	6.6	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Total	53.5	53.7	52.8	-.2	.7
Goods–Producing Industries	20.1	20.2	19.9	.0	.2
Mining	1.0	1.0	1.0	.0	.0
Construction	2.0	2.0	1.4	.0	.6
Manufacturing	17.1	17.2	17.6	.0	-.4
Durable Goods	15.4	15.4	16.1	.0	-.6
Primary Metal Industries	12.2	12.2	12.7	.0	-.5
Nondurable Goods	1.7	1.7	1.5	.0	.2
Service–Producing Industries	33.4	33.5	32.8	-.1	.6
Transportation and Public Utilities	3.4	3.3	3.3	.1	.0
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.8	9.7	9.7	.2	.1
General Merchandise Stores	1.9	1.9	2.0	.1	.0
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.1	.0
Services	10.8	11.2	10.6	-.4	.2
Health Services	4.6	4.7	4.5	-.1	.1
Hospitals	2.3	2.4	2.4	-.1	-.1
Government	6.4	6.4	6.1	.1	.3
Local Government	5.6	5.5	5.3	.1	.3
Local Government Education	3.6	3.5	3.4	.0	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]
Manufacturing	$513.04	$531.93	$519.94	44.0	44.7	44.1	$11.66	$11.90	$11.79
Durable Goods	538.19	559.97	542.53	44.7	45.6	44.8	12.04	12.28	12.11
Primary Metal Industries	573.54	599.74	578.34	45.7	46.6	45.9	12.55	12.87	12.60
Nondurable Goods	235.50	237.57	218.13	35.9	35.3	34.9	6.56	6.73	6.25
Wholesale Trade	341.82	337.39	341.25	39.7	39.6	39.0	8.61	8.52	8.75
Retail Trade[f]	179.18	167.36	165.25	28.9	27.8	28.2	6.20	6.02	5.86

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	December 1990	November 1990	December 1989
New Applicants	26,834	28,229	27,168
Applicants Active This Program Year	402,429	372,537	469,648
Counseling Interviews	748	788	827
Tests Administered	945	711	922
General Aptitude Tests	444	183	169
Proficiency Tests	302	283	261
Specific Aptitude Tests	0	0	0
Referrals to Jobs	12,788	16,479	14,170
Placements	3,303	3,401	2,851
Job Openings Received	INA	INA	5,094
Job Openings Unfilled	16,419	18,234	13,794

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	December 1990	November 1990	December 1989
Initial Claims	131,641	93,512	102,739
Continued Claims	536,062	399,633	416,398
First Payments	44,578	31,901	36,670
Last Payments	5,570	6,079	5,032
Average Weekly Claimants	120,592	88,898	98,619
Average Weekly Benefit Recipients	96,004	71,653	78,983
Weeks Compensated	401,836	332,705	341,684
Benefits Paid	$69,059,700	$55,834,286	$55,533,092
Average Weekly Payment	$176.02	$172.22	$169.59
Continued Claims for Survey Week	123,543	102,460	101,213
Insured Unemployment Rate	2.6	1.9	2.2
Net Contributions	$3,737,498	$69,450,188	$4,649,244
Active Employer Accounts	207,701	207,403	205,964

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Labor Market Review

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Ohio Labor Market Information

Labor Market Review

January 1991

Summary. The seasonally adjusted unemployment rate in Ohio rose from 5.6 percent in December 1990 to 5.9 percent in January 1991. The national rate rose from 6.1 percent to 6.2 percent over the month. Total employment in Ohio decreased 114,000 from December to 5,065,000 in January. There were 318,000 unemployed Ohioans in January, up 9,000 from December. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,914,000 in January, was up 5,000 from December due to increases in service-producing industries. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries was up 1,000 from December to 1,313,000 in January. Construction employment advanced 2,000 over the month to 199,000. Manufacturing employment, at 1,097,000 in January, was virtually unchanged from December. Losses in durable goods, especially transportation equipment, fabricated metal products, and electronic and other electric equipment were offset by scattered gains in nondurable goods. Mining employment totaled 17,000, little changed from December.

Service-Producing Industries. There were 3,601,000 people employed in service-producing industries in January, up 4,000 from December. Employment in government rose 2,000 over the month. Transportation and public utilities and retail trade added 1,000 jobs each. Employment in services declined 1,000 over the month. Other service-producing industries reported no change from December to January.

Over the Year. Ohio's unemployment rate decreased from 6.3 percent in January 1990 to 5.9 percent in January 1991. The national rate rose from 5.3 percent to 6.2 percent during the same period. Total employment in Ohio was down 9,000 from January 1990, while total unemployment was 26,000 lower. Nonfarm payroll employment increased 79,000 over the year. Services added 49,000 jobs, while government increased 14,000. All other service-producing industries had small gains over the year. Manufacturing employment was up 3,000 from January 1990. Advances in transportation equipment, food and kindred products, and printing and publishing overshadowed declines in electronic and other electric equipment, industrial machinery and equipment, and stone, clay, and glass products. Mining and construction employment were on par with their January 1990 levels.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $538.00 per week in January, down $5.13 from December. Their average workweek declined 0.4 hours to 41.9 hours. Most manufacturing industries had lower earnings due to less overtime, although iron and steel foundries had notably higher earnings. The most significant declines were in motor vehicles and equipment, aircraft and parts, and metal forgings and stampings.

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

Benefits and Costs. There were 156,248 initial claims filed under the Ohio Unemployment Compensation Law in January, up 18.7 percent from December, and up 24.0 percent from January 1990. Total benefits paid rose 64.4 percent to $113.5 million. The average weekly benefit check of $179.02 was $3.00 higher than in December. The average weekly number of benefit recipients, at 135,113, increased 40.7 percent. At the end of January, there were 207,729 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 32,863 new job applicants in January, up 22.5 percent from December, but down 13.2 percent from January 1990. The Employment Services Division made 16,941 job referrals in January, up 32.5 percent from December. Total placements declined 26.4 percent over the month to 2,431.

Collection Method Alternatives For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

In This Issue

Summary 1
Seasonally Adjusted Series
Current Data 3
Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
Historical Data 7
Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1991	Dec. 1990	Jan. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,383	5,488	5,418	-105	-35	-1.9	-.6
Employment	5,065	5,179	5,074	-114	-9	-2.2	-.2
Unemployment	318	309	344	9	-26	2.9	-7.6
Unemployment Rate	5.9	5.6	6.3				
Employer Survey Data[e]							
Total	4,914	4,909	4,835	5	79	.1	1.6
Goods-Producing Industries	1,313	1,312	1,310	1	3	.1	.2
Mining	17	17	18	0	0	-.1	-1.9
Coal Mining	7	7	7	0	0	-.2	-3.5
Oil and Gas Extraction	6	6	6	0	0	-.9	-1.8
Construction	199	197	199	2	0	.9	.1
General Building Contractors	48	47	48	1	0	2.3	-.7
Heavy Construction, Except Building	24	23	23	0	0	1.0	1.0
Special Trade Contractors	127	127	127	0	0	.3	.3
Manufacturing	1,097	1,097	1,094	0	3	.0	.3
Durable Goods	724	728	727	-3	-3	-.5	-.4
Lumber and Wood Products	21	22	21	0	0	-.7	.3
Furniture and Fixtures	15	15	15	0	0	.7	3.2
Stone, Clay, and Glass Products	44	44	46	0	-2	.5	-4.9
Primary Metal Industries	100	100	99	0	1	.1	1.1
Fabricated Metal Products	128	129	127	-1	1	-.8	.6
Industrial Machinery and Equipment	163	163	166	0	-3	.2	-1.8
Electronic and Other Electric Equipment	76	77	80	-1	-4	-1.7	-4.6
Transportation Equipment	135	137	130	-2	5	-1.2	3.9
Instruments and Related Products	26	26	27	0	-1	.0	-3.5
Nondurable Goods	372	369	366	3	6	.8	1.6
Food and Kindred Products	64	63	62	1	2	2.0	2.4
Apparel and Other Textile Products	15	14	14	0	0	1.9	2.1
Paper and Allied Products	38	38	38	0	1	.8	1.9
Printing and Publishing	76	76	74	1	2	.9	2.6
Chemicals and Allied Products	67	67	66	0	1	.6	2.0
Rubber and Misc. Plastics Products	93	93	93	0	0	-.1	-.2
Service-Producing Industries	3,601	3,597	3,525	4	76	.1	2.2
Transportation and Public Utilities	223	221	220	1	3	.6	1.3
Transportation	130	129	127	1	3	.6	2.1
Communications, Electric, Gas Services	93	92	92	1	0	.6	.2

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1991	Dec. 1990	Jan. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	264	265	260	0	4	.0	1.6
Wholesale Trade-Durable Goods	165	165	163	0	2	.0	1.0
Wholesale Trade-Nondurable Goods	100	100	97	0	2	-.1	2.6
Retail Trade	913	912	909	1	4	.1	.4
Building Materials and Garden Supplies	34	35	34	0	0	-.5	1.4
General Merchandise Stores	124	124	127	0	-3	-.1	-2.5
Food Stores	141	141	140	0	1	-.2	.7
Automotive Dealers and Service Stations	98	98	99	0	-1	-.3	-.8
Apparel and Accessory Stores	49	50	50	0	-1	-.3	-1.9
Furniture and Homefurnishings Stores	31	31	31	0	0	-.8	1.0
Eating and Drinking Places	316	314	312	2	4	.6	1.3
Miscellaneous Retail	118	118	115	1	3	.5	2.6
Finance, Insurance, and Real Estate	256	256	253	0	3	.1	1.1
Finance	121	121	121	0	0	-.1	.2
Depository Institutions	90	90	90	0	0	-.2	-.5
Insurance	91	91	90	0	1	-.1	1.0
Real Estate	44	44	43	1	2	1.2	3.6
Services	1,219	1,220	1,170	-1	49	-.1	4.2
Hotels and Other Lodging Places	41	40	40	0	0	.3	.9
Personal Services	56	55	55	1	1	1.0	1.9
Business Services	223	224	207	-1	16	-.3	7.6
Amusements, Including Motion Pictures	64	64	61	0	2	-.7	3.8
Health Services	404	404	391	0	13	.1	3.4
Legal Services	30	30	29	0	1	.0	3.8
Educational Services	64	64	63	0	1	-.1	.9
Social Services	82	82	77	0	4	.4	5.7
Membership Organizations	79	79	78	0	1	-.4	1.0
Engineering and Management Services	93	93	89	0	4	.3	4.6
Government	727	725	713	2	14	.3	1.9
Federal Government	95	94	97	0	-3	.4	-2.8
State Government	163	163	158	1	5	.4	3.0
State Government Education	85	85	82	0	3	.0	3.7
Local Government	469	468	457	1	12	.2	2.5
Local Government Education	271	271	265	0	7	.0	2.5

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,391	5,087	304	5.6	5.4	January
5,396	5,118	278	5.2	5.2	February
5,409	5,117	292	5.4	5.1	March
5,375	5,095	280	5.2	5.2	April
5,410	5,121	289	5.3	5.2	May
5,447	5,138	309	5.7	5.4	June
5,428	5,130	298	5.5	5.3	July
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

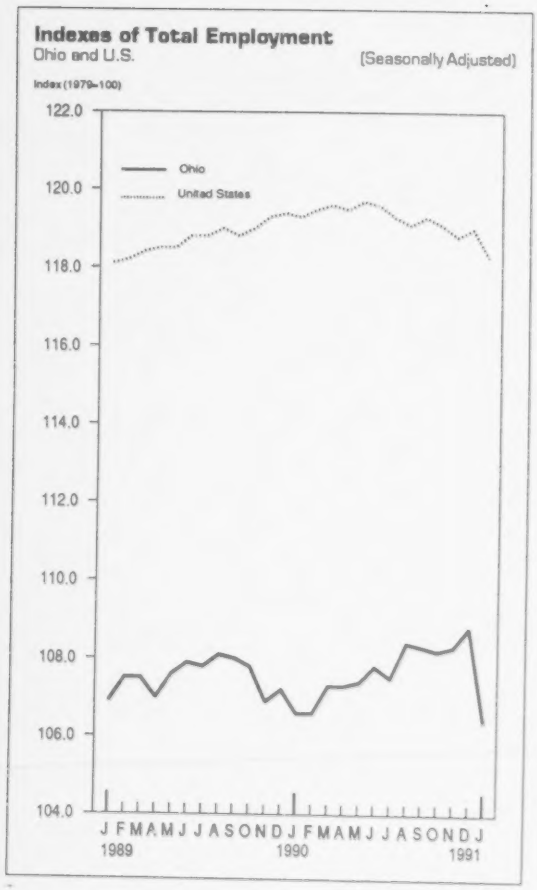
Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,792	1,336	18	193	1,125	April
4,797	1,333	18	190	1,125	May
4,814	1,337	18	192	1,127	June
4,818	1,331	16	194	1,120	July
4,835	1,338	18	196	1,124	August
4,837	1,334	18	196	1,120	September
4,830	1,323	18	193	1,112	October
4,844	1,331	18	196	1,118	November
4,849	1,326	18	195	1,114	December
					1990
4,835	1,310	18	199	1,094	January
4,874	1,337	18	205	1,115	February
4,892	1,339	18	205	1,116	March
4,874	1,333	18	200	1,115	April
4,893	1,333	18	197	1,118	May
4,905	1,336	18	197	1,121	June
4,906	1,329	18	196	1,115	July
4,916	1,332	18	197	1,117	August
4,914	1,329	17	197	1,114	September
4,922	1,330	17	196	1,117	October
4,913	1,317	17	198	1,102	November
4,909	1,312	17	197	1,097	December
					1991
4,914	1,313	17	19[illegible]	1,097	January

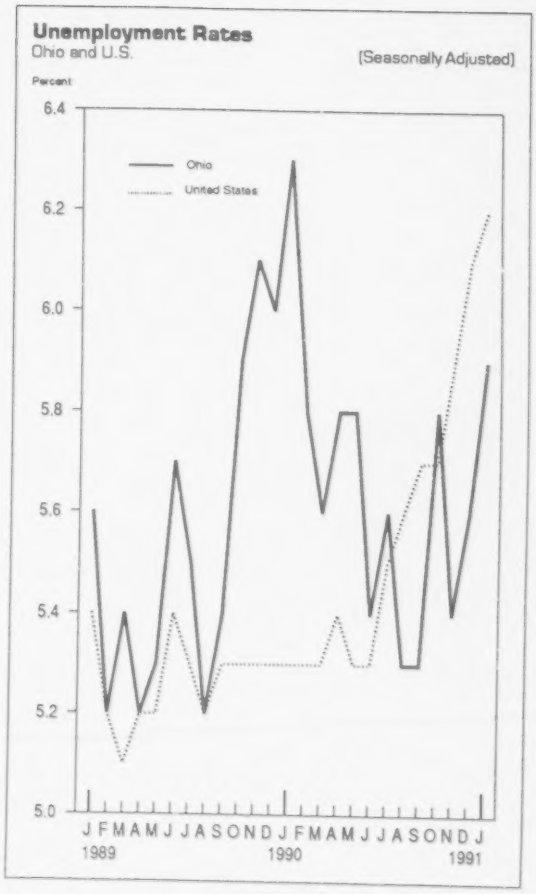
Service–Producing Employment

(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	260	895	251	April	1,132	702
3,464	215	May	261	895	251	May	1,135	706
3,477	216	June	261	899	252	June	1,141	708
3,487	216	July	262	901	252	July	1,149	707
3,497	217	August	262	902	253	August	1,156	707
3,504	218	September	261	903	254	September	1,161	708
3,507	217	October	260	902	254	October	1,164	711
3,513	218	November	260	905	254	November	1,166	710
3,523	219	December	260	909	254	December	1,169	712
		1990				1990		
3,525	220	January	260	909	253	January	1,170	7[illegible]
3,537	220	February	260	911	254	February	1,174	7[illegible]
3,552	221	March	261	914	255	March	1,181	720
3,541	219	April	262	906	254	April	1,179	721
3,560	220	May	262	907	254	May	1,185	731
3,570	219	June	263	911	255	June	1,194	727
3,577	219	July	264	911	255	July	1,199	728
3,584	219	August	264	913	255	August	1,206	726
3,585	220	September	264	912	255	September	1,209	725
3,592	220	October	264	911	256	October	1,214	727
3,596	220	November	264	912	256	November	1,216	728
3,597	221	December	265	912	256	December	1,220	725
		1991				1991		
3,601	223	January	264	913	256	January	1,219	727

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
122.0
120.0
118.0
116.0
114.0
112.0
110.0
108.0
106.0
104.0
Ohio
United States
J F M A M J J A S O N D J F M A M J J A S O N D J
1989
1990
1991


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
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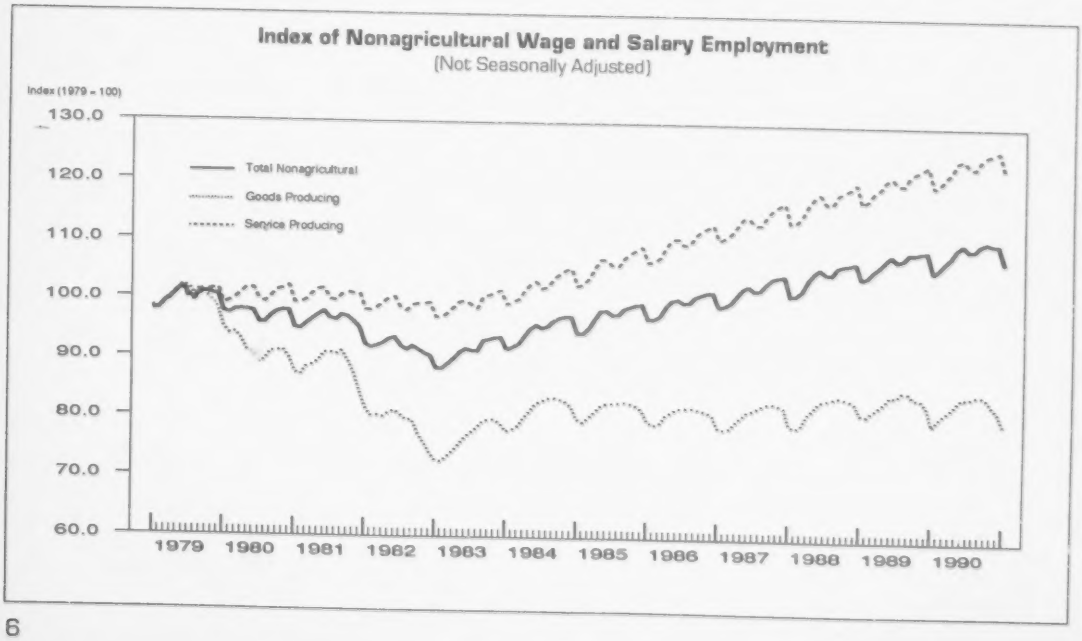
6.2
6.0
5.8
5.6
5.4
5.2
5.0
Ohio
United States
J F M A M J J A S O N D J F M A M J J A S O N D J
1989
1990
1991


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
130.0
120.0
110.0
100.0
90.0
80.0
70.0
60.0
Total Nonagricultural
Goods Producing
Service Producing
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
5,391	4,979	412	7.6	5.9	1990 January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
5,357	4,968	389	7.3	7.0	1991 January

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
4,738.1	1,273.4	17.1	171.6	1,084.7	1990 January
4,770.5	1,292.8	17.0	170.7	1,105.1	February
4,819.8	1,305.5	17.2	178.6	1,109.7	March
4,859.9	1,317.5	17.4	188.4	1,111.7	April
4,925.3	1,334.0	17.6	199.1	1,117.2	May
4,956.0	1,352.0	17.9	207.4	1,126.7	June
4,912.3	1,347.3	18.0	214.5	1,114.8	July
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
4,815.2	1,276.1	16.7	171.8	1,087.6	1991 January

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.3
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
3,464.8	214.7	1990 January	257.9	889.0	250.7	1990 January	1,136.6	715.8
3,477.7	214.5	February	257.5	878.0	251.1	February	1,146.7	730.0
3,514.3	216.1	March	259.2	886.9	252.3	March	1,161.5	738.3
3,542.4	217.1	April	260.9	896.7	252.6	April	1,178.9	736.1
3,591.3	219.6	May	262.5	910.4	254.2	May	1,194.3	750.3
3,604.0	221.1	June	264.6	920.0	257.3	June	1,214.9	726.1
3,565.0	221.3	July	265.6	917.8	258.5	July	1,217.6	684.2
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
3,539.1	217.5	1991 January	262.0	892.6	253.3	1991 January	1,184.1	729.6

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)	
1,264.3	880.3	384.1	1980
1,232.6	858.2	374.4	1981
1,099.9	750.5	349.4	1982
1,066.0	721.9	344.1	1983
1,127.0	771.7	355.4	1984
1,124.2	767.0	357.3	1985
1,109.8	751.0	358.8	1986
1,098.9	738.9	360.0	1987
1,110.6	747.3	363.4	1988
1,122.6	754.7	367.9	1989
1,111.7	743.3	368.5	1990
			1990
1,084.7	722.2	362.4	January
1,105.1	743.5	361.6	February
1,109.7	746.4	363.3	March
1,111.7	748.1	363.6	April
1,117.2	750.7	366.4	May
1,126.7	756.0	370.7	June
1,114.8	745.0	369.9	July
1,120.5	748.4	372.2	August
1,123.2	748.0	375.2	September
1,121.3	746.9	374.4	October
1,106.1	734.4	371.7	November
1,099.9	729.8	370.1	December
			1991
1,087.6	719.4	368.3	January

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)	
867.8	$301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.5	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
751.4	375.5	32.0	1987
762.3	393.0	32.8	1988
770.4	403.3	32.9	1989
757.3	405.9	32.1	1990
			1990
734.0	375.8	30.8	January
755.0	391.6	31.6	February
758.3	401.3	32.1	March
760.7	393.3	31.6	April
763.9	414.2	32.7	May
770.6	422.2	33.1	June
757.4	403.0	32.0	July
763.2	409.7	32.4	August
766.3	426.7	33.1	September
765.0	418.7	32.6	October
749.8	410.8	32.0	November
743.7	403.9	31.5	December
			1991
733.3	394.5	30.7	January

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$347.94	$358.57	$319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
515.57	538.16	466.31	1988
523.50	542.23	478.19	1989
535.94	556.38	492.74	1990
			1990
511.98	524.15	485.72	January
518.72	536.36	478.67	February
529.17	548.26	483.89	March
517.09	534.18	478.06	April
542.28	564.19	493.08	May
547.82	571.14	497.12	June
532.14	550.35	491.99	July
536.78	555.93	493.92	August
556.85	581.16	504.38	September
547.41	571.43	496.78	October
547.84	568.43	503.37	November
543.13	562.22	501.06	December
			1991
538.00	556.50	498.73	January

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
43.0	43.4	42.2	1988
42.7	43.0	41.8	1989
42.4	42.7	41.9	1990
			1990
42.0	42.1	41.8	January
41.9	42.2	41.3	February
42.3	42.6	41.5	March
41.5	41.7	41.0	April
42.8	43.2	42.0	May
43.0	43.4	42.2	June
42.2	42.4	41.8	July
42.4	42.6	42.0	August
43.2	43.5	42.6	September
42.6	42.9	42.1	October
42.7	42.9	42.3	November
42.3	42.4	42.0	December
			1991
41.9	42.0	41.7	January

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$ 8.57	$ 8.81	$ 7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
11.99	12.40	11.05	1988
12.26	12.61	11.44	1989
12.64	13.03	11.76	1990
			1990
12.19	12.45	11.62	January
12.38	12.71	11.59	February
12.51	12.87	11.66	March
12.46	12.81	11.66	April
12.67	13.06	11.74	May
12.74	13.16	11.78	June
12.61	12.98	11.77	July
12.66	13.05	11.76	August
12.89	13.36	11.84	September
12.85	13.32	11.80	October
12.83	13.25	11.90	November
12.84	13.26	11.93	December
			1991
12.84	13.25	11.96	January

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.4	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
44.9	98.1	126.3	January	165.8	79.9	130.3	January	61.0	74.1	92.3
44.6	99.6	130.3	February	166.3	80.1	145.5	February	59.4	73.9	92.9
45.4	99.8	130.6	March	166.3	80.2	145.4	March	60.1	74.2	93.1
46.1	99.3	131.5	April	165.8	80.1	146.7	April	60.3	74.3	93.7
46.0	100.3	132.4	May	166.0	79.8	147.1	May	61.0	74.5	94.5
46.5	101.7	133.4	June	166.7	79.7	148.7	June	61.8	75.3	95.7
46.2	99.4	132.0	July	166.3	79.4	142.4	July	61.9	75.7	93.8
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.6	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	78.6	147.0	October	64.3	75.9	95.4
45.4	99.8	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	127.0	January	162.8	76.2	135.4	January	62.5	76.0	92.1

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.39	479.83	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
485.89	652.68	521.66	January	549.12	466.75	705.16	January	479.33	480.32	449.90

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	4815.2	4955.9	4738.1	-140.6	77.1
Goods-Producing Industries	1276.1	1313.0	1273.4	-36.9	2.8
Mining	16.7	17.4	17.1	-.7	-.3
Coal Mining	6.7	6.8	6.9	-.1	-.2
Oil and Gas Extraction	5.8	5.9	5.9	-.1	-.1
Construction	171.8	195.7	171.6	-24.0	.1
General Building Contractors	43.5	47.2	43.8	-3.7	-.3
Nonresidential Building Construction	22.8	24.7	23.3	-1.9	-.5
Heavy Construction, Except Building	16.3	21.7	16.1	-5.4	.2
Highway and Street Construction	4.0	6.6	4.0	-2.6	.0
Special Trade Contractors	111.9	126.9	111.6	-15.0	.3
Manufacturing	1087.6	1099.9	1084.7	-12.3	3.0
Durable Goods[f]	719.4	729.8	722.2	-10.4	-2.8
Lumber and Wood Products	20.5	21.5	20.4	-1.1	.1
Millwork, Plywood and Structural Members	9.4	9.8	9.5	-.4	-.1
Furniture and Fixtures	15.1	15.2	14.7	-.1	.5
Stone, Clay, and Glass Products	42.7	43.8	44.9	-1.1	-2.2
Primary Metal Industries	99.2	99.7	98.1	-.6	1.1
Blast Furnace and Basic Steel Products	46.8	46.9	46.0	-.2	.8
Iron and Steel Foundries	19.8	19.8	18.9	.0	.9
Nonferrous Rolling and Drawing	15.2	15.0	15.5	.2	-.3
Nonferrous Foundries	10.0	10.5	10.5	-.4	-.5
Fabricated Metal Products	127.0	129.6	126.3	-2.6	.7
Fabricated Structural Metal Products	29.0	29.6	28.6	-.6	.4
Metal Forgings and Stampings	35.9	37.3	33.8	-1.4	2.2
Industrial Machinery and Equipment	162.8	163.5	165.8	-.7	-2.9
Construction and Related Machinery	12.4	12.5	13.9	-.1	-1.5
Metalworking Machinery	47.9	48.3	48.1	-.4	-.3
Special Industry Machinery	15.9	15.7	16.8	.2	-.9
General Industrial Machinery	26.2	26.2	25.8	.0	.4
Computer and Office Equipment	10.9	10.7	11.0	.1	-.2
Refrigeration and Service Machinery	15.1	15.4	16.0	-.3	-.9
Electronic and Other Electric Equipment	76.2	77.3	79.9	-1.0	-3.7
Electrical Industrial Apparatus	12.3	12.3	12.5	.0	-.2
Household Appliances	14.2	14.7	15.8	-.5	-1.6
Electric Lighting and Wiring Equipment	15.7	15.9	15.9	-.1	-.1
Electronic Components and Accessories	11.4	11.4	11.9	.0	-.4
Transportation Equipment	135.4	137.8	130.3	-2.4	5.1
Motor Vehicles and Equipment	91.4	93.3	84.1	-1.9	7.3
Aircraft and Parts	36.5	36.9	37.7	-.4	-1.2
Instruments and Related Products	25.9	26.1	26.9	-.2	-.9
Measuring and Controlling Devices	15.1	15.1	15.9	.0	-.8
Nondurable Goods[g]	368.3	370.1	362.4	-1.9	5.8
Food and Kindred Products	62.5	62.6	61.0	-.1	1.5
Dairy Products	10.2	10.3	9.4	-.1	.8
Preserved Fruits and Vegetables	10.9	10.6	10.8	.3	.0
Bakery Products	9.7	9.6	9.4	.1	.4
Apparel and Other Textile Products	14.6	14.6	14.3	-.1	.3
Paper and Allied Products	38.2	38.4	37.5	-.2	.7
Paperboard Containers and Boxes	13.8	13.9	13.5	-.1	.3
Miscellaneous Converted Paper Products	12.2	12.2	12.1	.0	.1
Printing and Publishing	76.0	76.4	74.1	-.4	2.0
Newspapers	19.0	19.2	18.9	-.2	.2
Commercial Printing	28.2	28.2	27.1	-.1	1.0
Chemicals and Allied Products	66.6	66.7	65.3	-.1	1.3
Plastics Materials and Synthetics	9.7	9.7	9.6	.0	.0
Rubber and Miscellaneous Plastics Products	92.1	92.6	92.3	-.6	-.2
Tires and Inner Tubes	14.8	14.9	14.6	-.1	.3
Miscellaneous Plastics Products	56.4	56.7	55.6	-.3	.8
Service-Producing Industries	3539.1	3642.8	3464.8	-103.7	74.3
Transportation and Public Utilities	217.5	223.4	214.7	-5.9	2.8
Transportation	125.5	131.5	122.9	-6.0	2.6
Railroad Transportation	11.5	11.9	12.2	-.4	-.7
Trucking and Warehousing	73.9	78.9	72.6	-5.0	1.3
Transportation by Air	15.2	14.9	13.9	.3	1.3
Communications, Electric, Gas Services	92.0	91.9	91.9	.1	.2
Communications	48.5	48.3	48.5	.2	.0
Electric, Gas, and Sanitary Services	43.5	43.6	43.3	-.1	.2

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Wholesale Trade	262.0	265.9	257.9	-3.9	4.1
Wholesale Trade-Durable Goods	163.2	165.2	161.6	-1.9	1.6
Motor Vehicles, Parts, and Supplies	21.9	22.1	21.9	-.2	.1
Professional and Commercial Equipment	32.0	32.3	32.0	-.3	.0
Metals and Minerals, Except Petroleum	11.1	11.2	10.8	-.1	.2
Electrical Goods	17.4	17.6	17.9	-.2	-.5
Hardware, Plumbing and Heating Equipment	12.2	12.4	12.4	-.2	-.2
Machinery, Equipment, and Supplies	40.6	40.8	39.6	-.2	1.0
Wholesale Trade-Nondurable Goods	98.8	100.8	96.3	-2.0	2.5
Groceries and Related Products	33.7	34.3	32.3	-.6	1.4
Retail Trade	892.6	941.7	889.0	-49.1	3.6
Building Materials and Garden Supplies	31.7	34.4	31.3	-2.7	.4
Lumber and Other Building Materials	16.4	17.4	15.9	-1.0	.4
General Merchandise Stores	125.9	139.2	129.1	-13.3	-3.2
Department Stores	105.4	115.8	107.6	-10.4	-2.3
Variety Stores	9.8	11.0	10.1	-1.2	-.4
Food Stores	139.1	145.0	138.1	-6.0	.9
Grocery Stores	123.8	127.6	122.9	-3.8	.9
Automotive Dealers and Service Stations	96.5	97.7	97.3	-1.1	-.8
New and Used Car Dealers	40.7	41.2	41.7	-.5	-1.0
Gasoline Service Stations	35.3	35.7	35.1	-.4	.1
Apparel and Accessory Stores	49.8	54.3	50.7	-4.6	-1.0
Furniture and Homefurnishings Stores	31.5	32.8	31.2	-1.4	.3
Eating and Drinking Places	300.0	312.6	296.2	-12.5	3.9
Miscellaneous Retail	118.1	125.7	115.1	-7.6	3.0
Drug Stores and Proprietary Stores	31.4	31.8	30.8	-.4	.6
Nonstore Retailers	23.1	24.2	21.9	-1.2	1.2
Finance, Insurance, and Real Estate	253.3	255.8	250.7	-2.5	2.6
Finance	120.6	121.3	120.3	-.7	.3
Depository Institutions	89.2	89.9	89.6	-.8	-.5
Commercial Banks	63.9	64.3	63.1	-.4	.8
Insurance	90.3	91.0	89.4	-.7	.9
Insurance Carriers	68.7	69.1	68.2	-.4	.5
Life Insurance	25.3	25.6	25.0	-.3	.3
Fire, Marine, and Casualty Insurance	30.6	30.8	30.2	-.2	.4
Real Estate	42.4	43.5	40.9	-1.1	1.5
Services	1184.1	1212.6	1136.6	-28.4	47.5
Hotels and Other Lodging Places	38.0	39.5	37.6	-1.5	.3
Personal Services	56.2	55.0	55.1	1.2	1.1
Business Services	216.9	225.5	201.5	-8.6	15.4
Services to Buildings	33.2	33.7	32.6	-.5	.6
Personnel Supply Services	71.7	79.2	65.6	-7.5	6.1
Computer and Data Processing Services	29.0	28.9	26.1	.1	2.9
Amusements, Including Motion Pictures	48.1	53.9	46.3	-5.9	1.7
Health Services	401.8	404.6	388.5	-2.8	13.3
Nursing and Personal Care Facilities	86.3	87.0	83.8	-.7	2.5
Hospitals	193.0	193.0	188.5	.0	4.4
Legal Services	29.3	29.7	28.2	-.4	1.1
Educational Services	65.0	67.5	64.5	-2.5	.6
Colleges and Universities	36.7	38.8	36.5	-2.1	.1
Social Services	81.6	82.5	77.2	-.8	4.4
Residential Care	23.9	24.0	22.5	-.1	1.4
Membership Organizations	77.2	78.8	76.5	-1.6	.8
Engineering and Management Services	92.0	92.7	87.9	-.7	4.1
Engineering and Architectural Services	28.8	29.0	27.3	-.2	1.5
Accounting, Auditing, and Bookkeeping	22.0	21.6	21.4	.4	.6
Research and Testing Services	19.0	19.3	18.5	-.3	.5
Management and Public Relations	22.1	22.8	20.7	-.7	1.4
Government	729.6	743.4	715.8	-13.9	13.7
Federal Government	94.2	95.1	96.9	-.8	-2.7
U.S. Postal Service	33.2	33.8	34.2	-.7	-1.0
State Government	163.3	171.6	158.5	-8.3	4.8
State Government Hospitals	15.7	15.5	16.0	.2	-.3
State Government Education[h]	85.8	94.7	82.7	-8.9	3.0
Local Government	472.1	476.8	460.4	-4.7	11.6
Local Government Hospitals	14.4	14.4	14.1	.0	.4
Local Government Education	278.3	282.9	271.5	-4.6	6.8

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Goods-Producing Industries	$551.95	$559.37	$527.07	41.5	41.9	41.6	$13.30	$13.35	$12.67
Mining	614.22	593.96	643.49	43.5	42.7	45.8	14.12	13.91	14.05
Coal Mining	756.20	725.48	792.14	44.3	42.6	46.9	17.07	17.03	16.89
Construction	624.62	643.59	606.84	38.7	39.9	38.9	16.14	16.13	15.60
General Building Contractors	554.36	571.26	554.61	39.4	40.4	39.9	14.07	14.14	13.90
Heavy Construction, Except Building	652.61	673.63	578.73	39.6	41.0	38.2	16.48	16.43	15.15
Special Trade Contractors	641.14	660.13	628.49	38.3	39.6	38.7	16.74	16.67	16.24
Manufacturing	538.00	543.13	511.98	41.8	42.3	42.0	12.84	12.84	12.19
Durable Goods[f]	556.50	562.22	524.15	42.0	42.4	42.1	13.25	13.26	12.45
Lumber and Wood Products	303.75	320.30	322.62	37.5	39.3	39.2	8.10	8.15	8.23
Millwork, Plywood and Structural Members	338.69	380.88	353.50	38.4	42.7	41.2	8.82	8.92	8.58
Furniture and Fixtures	396.89	418.18	378.22	41.3	43.2	40.8	9.61	9.68	9.27
Stone, Clay, and Glass Products	485.89	486.97	473.59	41.6	41.8	41.8	11.68	11.65	11.33
Primary Metal Industries	652.68	643.99	605.12	44.4	44.2	43.1	14.70	14.57	14.04
Blast Furnace and Basic Steel Products	694.59	690.84	621.79	46.9	46.9	43.3	14.81	14.73	14.36
Iron and Steel Foundries	669.80	632.18	635.25	42.5	41.4	43.6	15.76	15.27	14.57
Nonferrous Rolling and Drawing	642.77	657.55	634.44	39.8	39.9	40.8	16.15	16.48	15.55
Nonferrous Foundries	457.29	464.38	457.10	43.1	43.4	43.7	10.61	10.70	10.46
Fabricated Metal Products	521.66	522.42	489.82	41.5	41.2	41.3	12.57	12.68	11.86
Fabricated Structural Metal Products	467.31	464.26	456.77	42.1	41.6	41.6	11.10	11.16	10.98
Metal Forgings and Stampings	634.85	654.12	583.42	40.8	41.4	40.6	15.56	15.80	14.37
Industrial Machinery and Equipment	549.12	555.52	520.15	42.7	43.4	42.6	12.86	12.80	12.21
Construction and Related Machinery	464.80	457.07	465.50	40.0	40.2	41.6	11.62	11.37	11.19
Metalworking Machinery	519.23	531.14	517.97	42.7	43.5	43.6	12.16	12.21	11.88
Special Industry Machinery	533.46	540.68	522.85	43.3	44.5	43.9	12.32	12.15	11.91
General Industrial Machinery	634.21	625.46	524.39	44.6	44.9	41.0	14.22	13.93	12.79
Computer and Office Equipment	486.80	493.58	459.67	41.5	41.9	41.3	11.73	11.78	11.13
Refrigeration and Service Machinery	598.13	603.68	539.39	40.8	40.9	39.2	14.66	14.76	13.76
Electronic and Other Electric Equipment	466.75	484.97	459.26	40.8	41.7	41.6	11.44	11.63	11.04
Electrical Industrial Apparatus	454.02	461.98	454.03	42.0	42.5	43.2	10.81	10.87	10.51
Household Appliances	477.85	485.13	496.51	39.2	39.7	41.0	12.19	12.22	12.11
Electric Lighting and Wiring Equipment	473.41	475.02	457.56	38.9	39.0	40.6	12.17	12.18	11.27
Electronic Components and Accessories	352.35	353.17	339.08	41.6	41.5	41.1	8.47	8.51	8.25
Transportation Equipment	705.16	716.13	670.64	42.2	42.5	43.1	16.71	16.85	15.56
Motor Vehicles and Equipment	720.63	725.71	690.46	41.8	41.9	43.1	17.24	17.32	16.02
Aircraft and Parts	671.00	720.43	649.88	44.0	45.8	44.0	15.25	15.73	14.77
Instruments and Related Products	410.86	414.06	384.16	40.8	41.2	40.1	10.07	10.05	9.58
Measuring and Controlling Devices	400.75	406.63	378.18	39.6	40.3	39.6	10.12	10.09	9.55
Nondurable Goods[g]	498.73	501.06	485.72	41.7	42.0	41.8	11.96	11.93	11.62
Food and Kindred Products	479.33	507.91	476.57	41.5	43.3	42.1	11.55	11.73	11.32
Dairy Products	509.82	497.08	494.68	43.5	43.0	43.7	11.72	11.56	11.32
Preserved Fruits and Vegetables	540.76	579.35	512.25	43.4	44.6	42.3	12.46	12.99	12.11
Bakery Products	477.39	517.42	484.51	38.1	41.0	39.2	12.53	12.62	12.36
Apparel and Other Textile Products	311.65	311.24	302.10	39.3	39.1	38.0	7.93	7.96	7.95
Paper and Allied Products	538.01	530.96	514.77	44.5	44.1	44.3	12.09	12.04	11.62
Paperboard Containers and Boxes	473.30	453.88	449.71	44.4	42.9	43.2	10.66	10.58	10.41
Miscellaneous Converted Paper Products	487.19	501.86	469.31	43.0	44.1	44.4	11.33	11.38	10.57
Printing and Publishing	480.32	493.68	470.00	39.5	40.8	40.0	12.16	12.10	11.75
Newspapers	376.03	387.11	388.56	32.5	33.4	33.7	11.57	11.59	11.53
Commercial Printing	491.47	510.62	473.93	41.3	43.2	41.5	11.90	11.82	11.42
Chemicals and Allied Products	621.49	614.61	602.43	43.4	43.1	43.0	14.32	14.26	14.01
Plastics Materials and Synthetics	696.65	682.34	672.31	44.6	43.6	43.6	15.62	15.65	15.42
Rubber and Miscellaneous Plastics Products	449.90	443.21	442.21	41.2	41.0	41.6	10.92	10.81	10.63
Tires and Inner Tubes	716.01	700.81	709.20	43.9	43.1	45.0	16.31	16.26	15.76
Miscellaneous Plastics Products	434.02	423.69	421.07	41.1	40.7	41.0	10.56	10.41	10.27
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	644.90	643.81	615.08	42.4	42.3	42.1	15.21	15.22	14.61
Communications	620.12	622.44	561.39	41.9	42.0	39.9	14.80	14.82	14.07
Electric, Gas, and Sanitary Services	673.53	669.96	678.10	42.9	42.7	44.7	15.70	15.69	15.17
Wholesale Trade	423.45	424.54	410.16	39.1	39.2	39.1	10.83	10.83	10.49
Wholesale Trade-Durable Goods	420.22	418.37	403.90	39.2	39.1	39.1	10.72	10.70	10.33
Motor Vehicles, Parts, and Supplies	347.40	358.66	358.12	38.6	38.9	38.8	9.00	9.22	9.23
Metals and Minerals, Except Petroleum	475.18	463.81	474.43	41.5	40.9	41.8	11.45	11.34	11.35
Wholesale Trade-Nondurable Goods	428.29	435.37	421.11	38.9	39.4	39.1	11.01	11.05	10.77

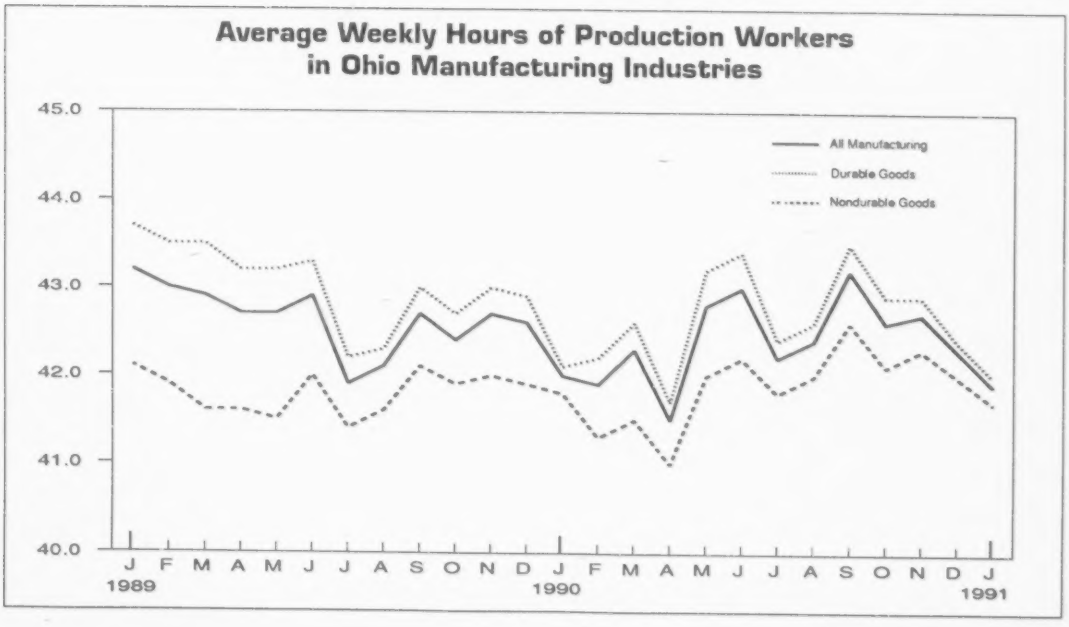
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

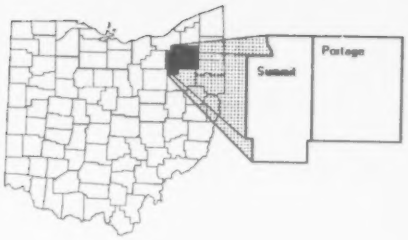
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Retail Trade[j]	$175.88	$185.54	$173.88	27.1	28.5	27.6	$ 6.49	$ 6.51	$ 6.30
General Merchandise Stores	192.77	215.28	188.09	28.1	31.2	28.2	6.86	6.90	6.67
Department Stores	195.71	221.20	191.76	28.2	31.6	28.2	6.94	7.00	6.80
Finance, Insurance, and Real Estate	357.99	356.38	347.53	....	....	....	.....	.....	.....
Finance	330.45	329.67	323.09	....	....	....	.....	.....	.....
Depository Institutions	278.81	278.05	278.28	....	....	....	.....	.....	.....
Commercial Banks	274.04	272.10	277.10	....	....	....	.....	.....	.....
Insurance	427.98	424.77	410.14	....	....	....	.....	.....	.....
Insurance Carriers	417.05	412.78	400.39	....	....	....	.....	.....	.....
Life Insurance	384.21	382.44	369.57	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	450.99	449.05	429.15	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	260.17	262.74	232.16	33.1	33.3	32.2	7.86	7.89	7.21
Health Services	322.71	321.50	312.59	31.7	31.8	31.8	10.18	10.11	9.83
Nursing and Personal Care Facilities	224.06	222.22	206.37	32.1	32.3	31.7	6.98	6.88	6.51
Hospitals	376.81	375.05	370.49	32.4	32.5	32.7	11.63	11.54	11.33
Engineering and Management Services	504.42	495.83	477.90	35.8	35.8	35.4	14.09	13.85	13.50
Engineering and Architectural Services	715.80	701.63	665.69	34.9	34.7	32.6	20.51	20.22	20.42
Research and Testing Services	398.45	396.03	380.10	35.8	36.2	36.2	11.13	10.94	10.50

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.



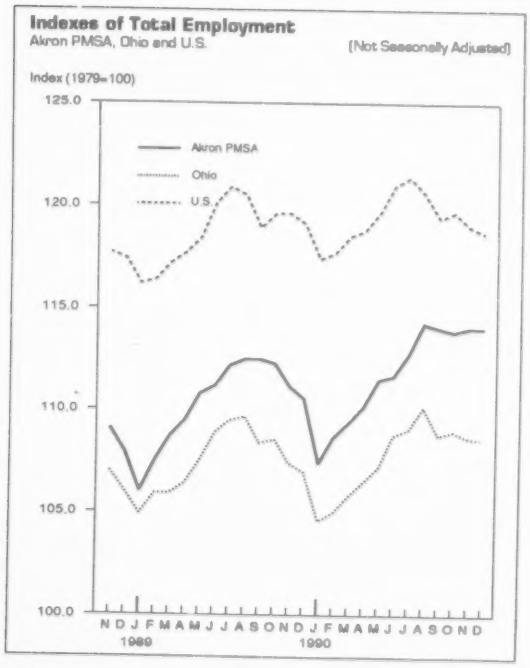
Akron Primary Metropolitan Statistical Area

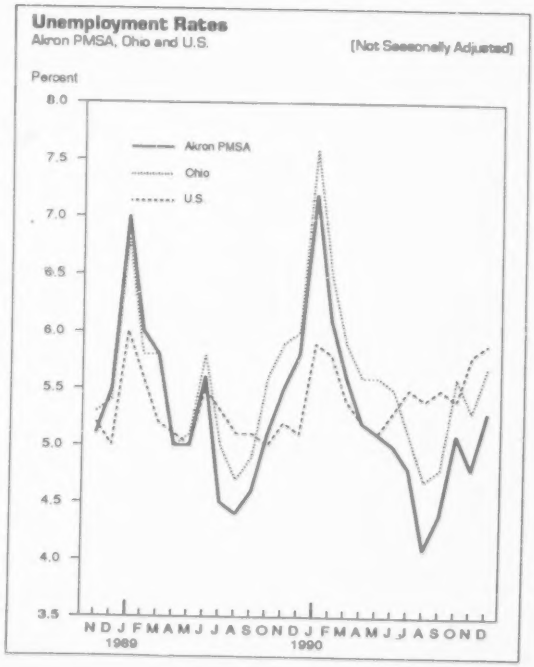


Total nonfarm payroll employment in the Akron metropolitan area dropped 12,600 below the December 1990 level to 279,400 in January 1991. Temporary layoffs of nonteaching personnel in state schools and colleges and seasonal declines in retail trade and services lowered employment in service-producing industries 10,500. The number of jobs in goods-producing industries fell 2,100 over the month to 76,800 due to continued cutbacks in construction employment and scattered decreases in manufacturing, especially fabricated metal products. Factory production workers averaged $11.87 per hour, down 15 cents from December. Their average workweek was 0.7 hours shorter at 42.2 hours.

Nonagricultural wage and salary employment advanced 5,300 between January 1990 and January 1991. Expansion in services raised employment in service-producing industries 3,500. Employment in goods-producing industries rose 1,800 above the year-ago level as scattered gains in manufacturing more than offset nominal declines in construction. Leading growth sectors were fabricated metal products, rubber and miscellaneous plastics products, and food and kindred products. Employment in industrial machinery and equipment and transportation equipment decreased slightly during the period.

Seasonally adjusted employment in the Akron area totaled 287,000 in January 1991, down 2,000 from December 1990 due to declines in retail trade and government. Since January 1990, nonfarm payroll employment advanced 5,000. Over-the-year growth was posted in services, manufacturing, and government.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
336.7	319.2	17.5	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
330.0	306.4	23.6	7.2	January	274.1	65.4	37.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	278.8	65.7	37.5	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	282.0	66.3	37.9	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	284.5	66.3	37.9	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	289.0	66.9	38.2	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	285.3	67.1	38.3	524.36	43.3	12.11
338.0	321.8	16.2	4.8	July	284.1	66.8	37.9	509.92	42.6	11.97
340.4	326.3	14.1	4.1	August	285.2	67.0	38.1	529.40	43.5	12.17
340.4	325.5	14.9	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
342.5	325.1	17.3	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
342.0	325.5	16.4	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
343.9	325.6	18.3	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
INA	INA	INA	INA	January	279.4	67.4	38.6	500.91	42.2	11.87

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
282	77	11	66	January	204	14	15	54	11	68	43
284	78	11	66	February	206	14	15	54	11	68	45
285	78	11	67	March	207	14	15	54	11	68	45
284	78	11	66	April	207	14	15	54	11	69	45
286	78	11	67	May	208	14	15	54	11	69	45
286	78	10	67	June	208	14	15	54	11	69	45
285	77	10	66	July	208	14	15	54	11	69	45
287	78	10	67	August	209	14	15	54	11	70	46
287	79	10	67	September	208	14	15	54	11	69	45
287	79	10	68	October	209	14	15	54	11	70	45
288	79	10	68	November	210	14	15	55	11	71	45
289	79	10	68	December	210	14	15	55	11	71	45
				1991							
287	79	11	68	January	208	14	15	54	11	71	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	279.4	292.0	274.1	-12.6	5.3
Goods-Producing Industries[e]	76.8	78.9	74.9	-2.1	1.8
Construction	8.8	10.3	9.0	-1.5	-.2
Manufacturing	67.4	68.0	65.4	-.6	2.0
Durable Goods[f]	34.9	35.5	33.7	-.6	1.2
Fabricated Metal Products	10.6	11.1	10.0	-.5	.7
Fabricated Structural Metal Products	4.7	4.9	4.6	-.2	.2
Industrial Machinery and Equipment	10.0	10.1	10.2	-.1	-.2
Metalworking Machinery	4.3	4.3	3.9	.0	.4
Electronic and Other Electric Equipment	2.5	2.4	2.5	.0	.0
Transportation Equipment	4.8	4.8	5.0	.0	-.1
Nondurable Goods[g]	32.5	32.5	31.7	.0	.8
Food and Kindred Products	3.2	3.2	3.0	.0	.2
Chemicals and Allied Products	3.6	3.5	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	19.4	19.4	19.1	-.1	.3
Tires and Inner Tubes	10.4	10.5	10.3	.0	.2
Service-Producing Industries	202.6	213.1	199.1	-10.5	3.5
Transportation and Public Utilities	13.5	13.9	13.5	-.3	.0
Communications, Electric, Gas Services	5.5	5.5	5.4	.0	.1
Wholesale Trade	14.7	14.9	14.8	-.2	-.1
Retail Trade	53.1	56.3	53.1	-3.2	.0
General Merchandise Stores	6.0	6.9	6.8	-.8	-.8
Food Stores	9.0	9.5	8.6	-.5	.4
Finance, Insurance, and Real Estate	10.6	10.7	10.7	-.1	-.1
Finance	5.3	5.3	5.4	.0	-.1
Services	68.5	70.1	65.4	-1.6	3.1
Business Services	11.8	11.8	11.1	.0	.7
Personnel Supply Services	3.2	3.2	2.9	.0	.3
Amusements, Including Motion Pictures	4.7	5.2	4.2	-.4	.5
Health Services	22.8	23.0	22.0	-.3	.7
Nursing and Personal Care Facilities	3.7	3.8	3.7	.0	.0
Hospitals	11.5	11.5	11.2	.0	.4
Social Services	5.4	5.4	5.0	-.1	.3
Engineering and Management Services	5.0	5.3	4.7	-.3	.3
Government	42.2	47.3	41.7	-5.1	.6
Federal Government	2.5	2.6	2.4	-.1	.2
State Government	13.3	17.8	13.0	-4.5	.3
State Government Education[h]	10.4	14.9	10.1	-4.5	.3
Local Government	26.4	26.9	26.3	-.5	.1
Local Government Education	14.6	15.1	14.6	-.5	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

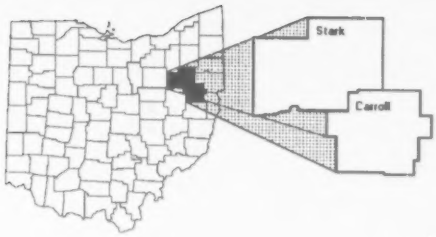
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$500.91	$515.66	$497.64	42.2	42.9	42.9	$11.87	$12.02	$11.60
Durable Goods[f]	502.86	524.80	498.50	42.4	43.3	42.9	11.86	12.12	11.62
Fabricated Metal Products	578.95	613.37	570.34	40.8	41.5	41.6	14.19	14.78	13.71
Fabricated Structural Metal Products	512.43	509.07	506.48	43.5	42.6	43.4	11.78	11.95	11.67
Industrial Machinery and Equipment	485.70	520.67	488.51	43.6	46.2	44.9	11.14	11.27	10.88
Metalworking Machinery	557.90	578.12	508.72	47.4	48.5	45.3	11.77	11.92	11.23
Electronic and Other Electric Equipment	434.25	431.73	393.09	41.2	41.0	40.4	10.54	10.53	9.73
Transportation Equipment	633.82	638.15	633.64	43.0	43.5	43.4	14.74	14.67[d]	14.60
Nondurable Goods[g]	497.77	502.52	496.35	41.9	42.3	42.9	11.88	11.88	11.57
Food and Kindred Products	379.94	393.57	372.23	38.3	39.2	39.1	9.92	10.04	9.52
Chemicals and Allied Products	609.30	567.24	523.93	45.1	43.6	43.3	13.51	13.01	12.10
Rubber and Miscellaneous Plastics Products	492.58	505.01	510.34	42.5	43.2	44.3	11.59	11.69	11.52
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	617.61	622.23	591.95	42.1	42.3	40.6	14.67	14.71	14.58
Wholesale Trade	374.71	369.94	358.06	37.1	36.7	36.8	10.10	10.08	9.73
Retail Trade[i]	212.47	223.72	209.68	29.8	30.9	30.7	7.13	7.24	6.83
General Merchandise Stores	183.40	199.43	199.47	28.0	29.9	30.5	6.55	6.67	6.54
Food Stores	317.36	329.15	309.52	35.9	36.9	35.7	8.84	8.92	8.67
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	293.00	279.92	285.47	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

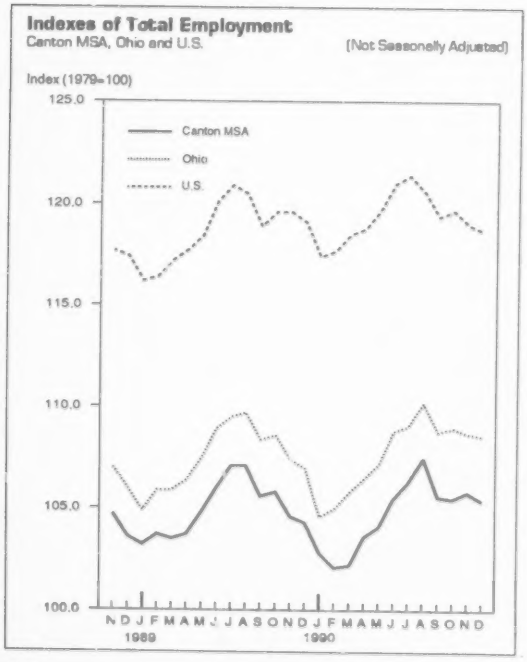
Canton Metropolitan Statistical Area

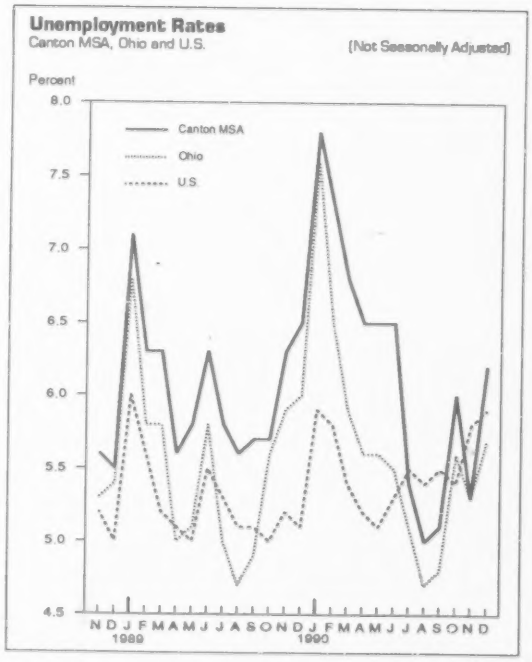


In the Canton metropolitan area, total nonfarm payroll employment dropped 4,100 below the December 1990 level to 163,500 in January 1991. Employment in service-producing industries declined 2,900 mainly due to seasonal terminations in retail trade and services. Less business in construction and scattered cutbacks among manufacturers of durable goods, especially primary metal industries, lowered employment in goods-producing industries 1,200 over the month to 51,200. Manufacturing production workers averaged $11.33 per hour, down fractionally from December. Their average workweek was unchanged from last month at 41.7 hours.

Nonagricultural wage and salary employment advanced 1,500 between January 1990 and January 1991. Expansion in service-producing industries created 2,300 jobs. A major portion of the gain occurred in services. The number of employees in goods-producing industries declined 900 from the year-ago level due to manufacturing production cutbacks. Reductions in fabricated metal products, electronic and other electric equipment, and rubber and miscellaneous plastics products negated growth in primary metal industries.

Seasonally adjusted employment in the Canton area increased 1,000 from December 1990 to 167,000 in January 1991. Nominal gains in construction and government outweighed a decrease in services. Since January 1990, total nonfarm payroll employment advanced 2,000 as growth in services and government more than offset a decline in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.9	181.9	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
193.6	178.5	15.1	7.8	January	162.0	44.9	31.3	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	161.4	44.7	31.3	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.0	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	164.2	43.8	30.1	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.1	44.7	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	168.2	45.1	31.5	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	167.2	45.2	31.5	485.18	42.3	11.47
196.6	186.7	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.4	183.5	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
194.9	183.3	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.0	183.7	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.2	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
INA	INA	INA	INA	January	163.5	44.0	30.6	472.46	41.7	11.33

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	8	45	1990	113	6	9	33	7	40	19
				1990							
165	54	8	45	January	111	6	9	33	7	39	19
165	54	8	45	February	111	6	9	32	7	39	19
166	54	8	45	March	112	6	9	32	7	39	19
165	53	8	44	April	112	6	9	32	7	39	19
166	53	8	45	May	113	6	9	33	7	40	20
167	53	7	45	June	114	6	9	33	7	40	20
166	53	7	45	July	113	6	9	33	7	40	20
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	114	6	9	33	7	40	19
166	52	7	44	December	114	6	9	33	7	41	19
				1991							
167	53	8	44	January	114	6	9	33	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	163.5	167.5	162.0	-4.1	1.5
Goods-Producing Industries[e]	51.2	52.4	52.1	-1.2	-.9
Construction	6.4	7.3	6.5	-.8	.0
Manufacturing	44.0	44.4	44.9	-.4	-.9
Durable Goods[f]	33.0	33.4	33.6	-.4	-.6
Primary Metal Industries	11.8	12.1	11.0	-.2	.8
Fabricated Metal Products	5.4	5.4	5.9	.0	-.5
Electronic and Other Electric Equipment	3.9	3.9	4.2	.0	-.3
Nondurable Goods[g]	11.0	11.0	11.3	.0	-.3
Food and Kindred Products	3.1	3.1	3.2	.0	-.1
Rubber and Miscellaneous Plastics Products	2.6	2.5	2.8	.1	-.2
Service-Producing Industries	112.2	115.1	109.9	-2.9	2.3
Transportation and Public Utilities	5.5	5.7	5.5	-.2	.0
Communications, Electric, Gas Services	2.8	2.8	2.7	.0	.1
Wholesale Trade	8.8	9.0	8.6	-.2	.2
Retail Trade	31.9	33.6	32.0	-1.6	-.1
General Merchandise Stores	3.9	4.2	4.3	-.4	-.4
Food Stores	5.7	5.8	5.7	-.1	-.1
Finance, Insurance, and Real Estate	6.5	6.6	6.9	-.1	-.4
Finance	3.8	3.9	4.0	.0	-.2
Services	39.6	40.5	37.7	-.9	1.9
Health Services	16.3	16.4	15.6	-.1	.7
Nursing and Personal Care Facilities	3.8	3.9	3.7	.0	.1
Hospitals	7.6	7.6	7.2	.0	.4
Government	19.9	19.7	19.3	.2	.6
Federal Government	1.5	1.5	1.4	.0	.1
State Government (Includes Education)	1.6	1.7	1.7	-.1	.0
Local Government	16.8	16.5	16.3	.3	.6
Local Government Education	10.1	10.0	9.8	.0	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

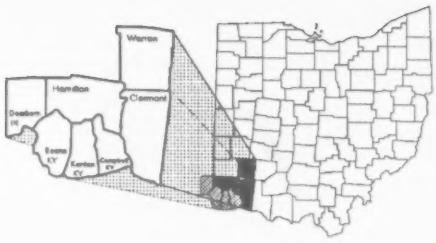
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$472.46	$473.30	$475.45	41.7	41.7	42.3	$11.33	$11.35	$11.24
Durable Goods[f]	495.32	490.68	504.74	42.7	42.3	43.4	11.60	11.60	11.63
Primary Metal Industries	524.65	515.91	542.27	44.2	43.5	45.8	11.87	11.86	11.84
Fabricated Metal Products	451.98	436.30	491.97	40.5	39.7	41.1	11.16	10.99	11.97
Electronic and Other Electric Equipment	564.59	572.26	561.56	39.9	40.3	41.2	14.15	14.20	13.63
Nondurable Goods[g]	400.40	414.75	386.67	38.5	39.5	38.9	10.40	10.50	9.94
Food and Kindred Products	401.74	421.85	390.57	37.9	40.1	37.7	10.60	10.52	10.36
Rubber and Miscellaneous Plastics Products	390.43	399.10	395.09	39.2	40.6	40.9	9.96	9.83	9.66
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	641.36	649.70	572.80	42.9	43.4	40.0	14.95	14.97	14.32
Wholesale Trade	402.83	394.68	371.48	39.3	39.0	38.1	10.25	10.12	9.75
Retail Trade[i]	166.61	176.75	169.96	26.7	28.1	28.0	6.24	6.29	6.07
General Merchandise Stores	174.15	195.05	189.08	27.0	28.6	29.0	6.45	6.82	6.52
Food Stores	166.15	177.51	160.29	27.6	29.1	27.4	6.02	6.10	5.85
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	203.76	194.56	184.80	31.3	30.4	30.0	6.51	6.40	6.16

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

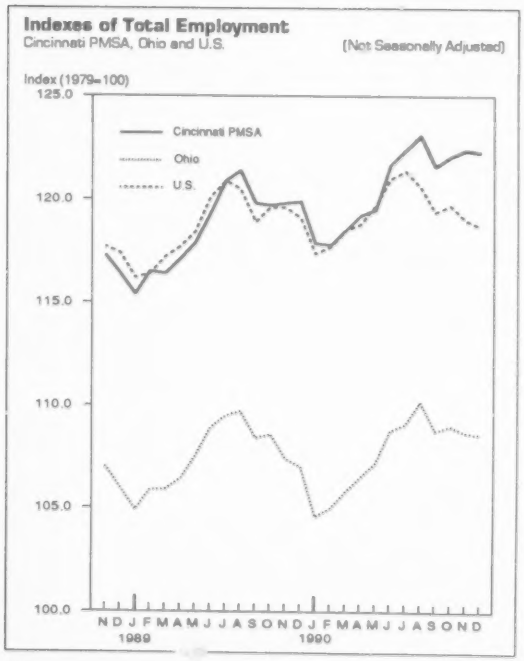
Cincinnati Primary Metropolitan Statistical Area

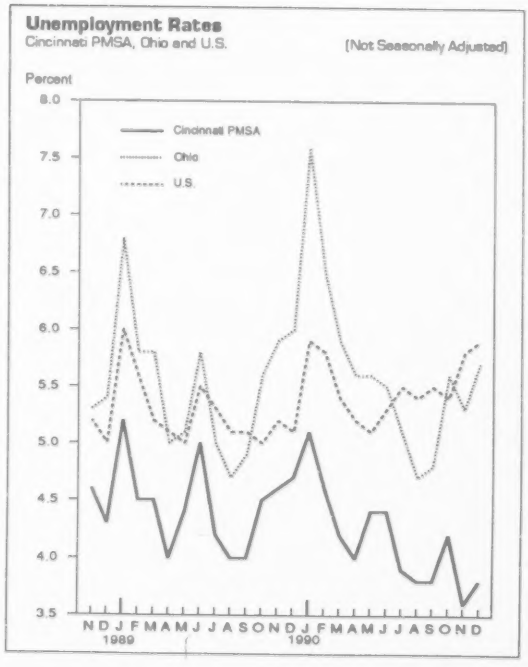


Nonfarm wage and salary employment in the Cincinnati metropolitan area fell 20,600 below the December 1990 level to 737,100 in January 1991. The release of temporary workers in retail trade and services helped lower employment in service-producing industries 16,500. Employment in the goods-producing sector dropped 4,100 over the month to 177,900 due to seasonal layoffs in construction and production cutbacks in durable-goods manufacturing, particularly industrial machinery and equipment and transportation equipment. Factory production workers averaged $12.30 per hour, down 5 cents from December. Their average workweek of 42.7 hours was 0.4 hours shorter.

Nonagricultural payroll employment advanced 15,800 between January 1990 and January 1991. The improvement was concentrated in the service-producing sector. Leading areas of expansion were services, especially health, business, and engineering and management services, and local government. Noteworthy growth was posted in transportation and public utilities and in finance, insurance, and real estate. Employment in goods-producing industries decreased 600 during the period as declines in construction employment negated gains in manufacturing. Over-the-year growth in chemicals and allied products, printing and publishing, paper and allied products, and food and kindred products more than offset reductions in industrial machinery and equipment, electronic and other electric equipment, and transportation equipment.

Seasonally adjusted employment in the Cincinnati area totaled 752,000 in January 1991, up 3,000 from December 1990. Improvements in manufacturing, construction, and government outweighed declines in wholesale trade, retail trade, and services. Since January 1990, total nonfarm payroll employment advanced 16,000. Primary growth sectors were services (+10,000) and government (+4,000).





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
790.9	758.1	32.8	4.1	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
779.7	740.3	39.4	5.1	January	721.3	146.7	92.3	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	724.7	147.0	92.5	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	732.2	147.3	92.5	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	737.7	146.9	92.1	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	746.6	147.3	92.3	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	751.5	148.5	93.2	528.00	43.6	12.11
800.4	768.8	31.6	3.9	July	747.0	148.3	93.0	516.86	43.0	12.02
803.6	773.5	30.2	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
793.9	763.9	30.1	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
800.6	766.9	33.7	4.2	October	753.9	149.5	93.7	526.25	43.1	12.21
797.2	768.5	28.8	3.6	November	754.6	149.4	93.2	527.47	43.2	12.21
798.1	767.9	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
INA	INA	INA	INA	January	737.1	147.4	91.6	525.21	42.7	12.30

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
736	183	35	148	January	553	41	48	141	43	187	92
740	185	36	148	February	555	41	48	141	44	189	93
743	185	36	149	March	558	41	49	141	44	190	93
739	183	34	148	April	557	41	49	141	44	190	93
742	183	34	148	May	560	41	48	140	44	191	95
745	183	34	148	June	562	41	49	141	44	193	94
745	182	33	148	July	564	41	49	141	44	193	96
746	182	34	148	August	565	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	196	94
748	182	32	149	October	567	41	49	141	44	198	94
748	181	33	148	November	567	41	49	141	44	197	95
749	181	33	147	December	569	42	49	142	44	198	95
				1991							
752	183	34	149	January	569	42	48	141	44	197	96

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	737.1	757.6	721.3	-20.6	15.8
Goods-Producing Industries[e]	177.9	182.0	178.4	-4.1	-.6
Construction	30.1	33.0	31.3	-2.9	-1.3
Manufacturing	147.4	148.6	146.7	-1.1	.7
Durable Goods[f]	77.6	78.7	79.5	-1.0	-1.9
Fabricated Metal Products	11.7	11.8	11.7	-.1	.0
Fabricated Structural Metal Products	4.3	4.4	4.2	-.1	.1
Industrial Machinery and Equipment	18.7	18.9	19.2	-.2	-.5
Electronic and Other Electric Equipment	7.7	7.7	8.2	.0	-.5
Transportation Equipment	24.4	24.6	24.7	-.2	-.3
Motor Vehicles and Equipment	5.1	4.8	4.9	.2	.1
Instruments and Related Products	3.7	3.8	3.7	.0	.0
Nondurable Goods[g]	69.8	69.9	67.3	-.1	2.5
Food and Kindred Products	12.1	12.0	11.8	.1	.3
Beverages	2.8	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.4	3.4	3.4	.0	.0
Paper and Allied Products	6.4	6.4	6.0	.1	.4
Printing and Publishing	15.1	15.2	14.5	-.1	.6
Commercial Printing	6.4	6.4	6.1	.0	.3
Chemicals and Allied Products	23.7	23.7	22.6	.1	1.1
Rubber and Miscellaneous Plastics Products	6.5	6.7	6.5	-.2	.1
Service-Producing Industries	559.2	575.7	542.8	-16.5	16.4
Transportation and Public Utilities	41.2	42.1	40.1	-.9	1.1
Transportation	24.4	25.3	23.7	-.9	.7
Trucking and Warehousing	10.3	11.0	10.4	-.8	-.1
Transportation by Air	7.6	7.6	6.9	.1	.8
Communications, Electric, Gas Services	16.8	16.7	16.4	.0	.4
Communications	9.9	9.9	9.9	.0	.0
Wholesale Trade	48.4	49.0	48.4	-.5	.0
Wholesale Trade-Durable Goods	27.9	28.1	28.1	-.2	-.3
Retail Trade	138.7	147.1	138.1	-8.4	.6
General Merchandise Stores	21.6	23.8	21.7	-2.2	-.1
Finance, Insurance, and Real Estate	43.8	44.3	42.8	-.4	1.0
Finance	17.8	17.9	17.5	-.1	.3
Depository Institutions	13.4	13.5	13.2	-.1	.1
Commercial Banks	9.6	9.6	9.3	.0	.3
Insurance	17.3	17.4	17.1	.0	.3
Insurance Carriers	14.7	14.6	14.4	.0	.2
Life Insurance	6.9	6.9	6.8	.0	.1
Fire, Marine, and Casualty Insurance	5.5	5.5	5.3	.0	.2
Services	190.7	196.4	180.9	-5.7	9.8
Hotels and Other Lodging Places	7.2	7.7	7.0	-.4	.2
Personal Services	9.0	8.7	8.7	.3	.3
Business Services	38.4	39.3	36.3	-.9	2.1
Services to Buildings	6.0	6.1	6.2	-.2	-.3
Computer and Data Processing Services	5.3	5.4	4.8	.0	.5
Amusements, Including Motion Pictures	9.2	11.5	8.6	-2.3	.6
Health Services	59.7	60.2	57.1	-.4	2.7
Nursing and Personal Care Facilities	11.4	11.5	11.0	-.1	.4
Hospitals	28.4	28.5	27.4	-.1	1.0
Legal Services	4.3	4.5	4.1	-.2	.2
Educational Services	7.5	7.8	6.9	-.3	.6
Social Services	13.2	13.3	12.6	-.1	.6
Residential Care	4.7	4.7	4.6	.0	.1
Engineering and Management Services	18.1	18.4	16.5	-.3	1.6
Engineering and Architectural Services	6.2	6.3	5.6	-.1	.5
Government	96.3	96.9	92.4	-.7	3.8
Federal Government	16.2	16.1	16.2	.0	.0
State Government	21.9	22.2	21.3	-.2	.6
State Government Education[h]	13.9	14.1	13.3	-.2	.6
Local Government	58.1	58.6	54.9	-.5	3.2
Local Government Education	34.0	34.4	31.8	-.4	2.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

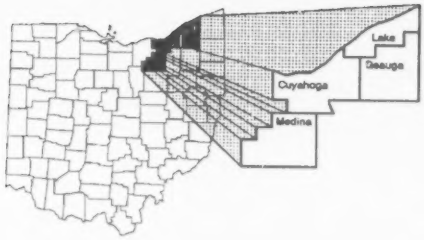
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$525.21	$532.29	$502.04	42.7	43.1	42.8	$12.30	$12.35	$11.73
Durable Goods[f]	507.36	518.50	488.35	42.0	42.5	42.8	12.08	12.20	11.41
Fabricated Metal Products	416.15	426.40	413.40	41.0	41.6	42.4	10.15	10.25	9.75
Fabricated Structural Metal Products	446.45	462.42	444.79	41.3	42.0	43.1	10.81	11.01	10.32
Industrial Machinery and Equipment	483.91	489.34	466.47	42.3	42.7	42.6	11.44	11.46	10.95
Electronic and Other Electric Equipment	400.20	408.93	386.14	41.3	41.6	41.7	9.69	9.83	9.26
Transportation Equipment	732.25	771.11	725.40	43.9	45.2	45.0	16.68	17.06	16.12
Motor Vehicles and Equipment	751.58	750.54	792.90	42.2	42.0	45.7	17.81	17.87	17.35
Instruments and Related Products	455.00	450.28	359.89	45.5	45.3	43.1	10.00	9.94	8.35
Nondurable Goods[g]	542.50	544.13	515.74	43.4	43.6	42.8	12.50	12.48	12.05
Food and Kindred Products	508.98	519.83	515.22	42.7	43.5	43.7	11.92	11.95	11.79
Beverages	561.59	569.90	573.73	40.2	41.0	43.3	13.97	13.90	13.25
Apparel and Other Textile Products	246.34	265.65	254.02	37.1	38.5	39.2	6.64	6.90	6.48
Paper and Allied Products	485.94	488.16	461.74	43.7	43.2	42.4	11.12	11.30	10.89
Printing and Publishing	51[illegible].68	529.98	498.00	41.0	42.5	41.5	12.48	12.47	12.00
Commercial Printing	557.09	579.37	510.51	43.9	45.8	42.9	12.69	12.65	11.90
Chemicals and Allied Products	698.08	690.34	647.35	46.2	45.9	44.4	15.11	15.04	14.58
Rubber and Miscellaneous Plastics Products	419.56	395.65	407.40	42.9	41.3	42.0	9.78	9.58	9.70
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	596.51	606.22	580.55	39.9	40.2	39.9	14.95	15.08	14.55
Communications	583.25	587.88	577.28	38.6	38.6	38.9	15.11	15.23	14.84
Wholesale Trade	441.34	444.31	434.58	39.3	39.6	39.4	11.23	11.22	11.03
Retail Trade[i]	176.64	182.25	168.30	27.6	28.7	27.5	6.40	6.35	6.12
General Merchandise Stores	226.27	243.32	209.10	29.5	32.4	30.0	7.67	7.51	6.97
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	301.50	302.60	303.43	....	....	....	.....	.....	.....
Commercial Banks	273.95	274.12	273.04	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	423.28	422.26	407.47	....	....	....	.....	.....	.....
Life Insurance	422.00	418.43	418.13	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	449.52	452.75	418.44	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	436.43	438.51	430.01	32.4	32.7	32.7	13.47	13.41	13.15
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	697.29	664.06	641.84	42.7	41.4	40.7	16.33	16.04	15.77

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

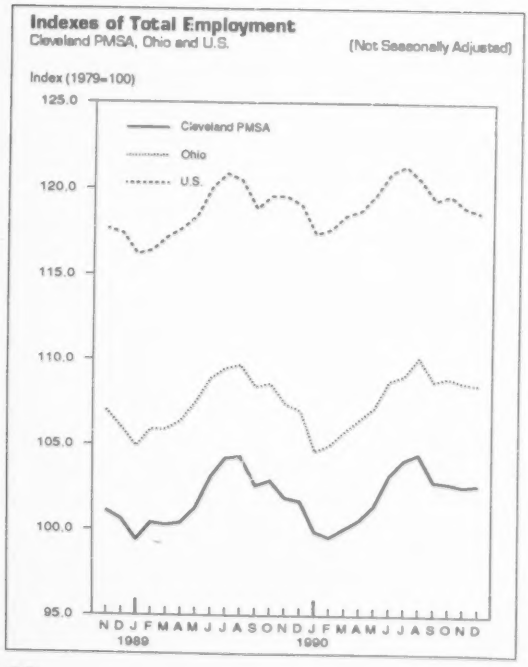
Cleveland Primary Metropolitan Statistical Area

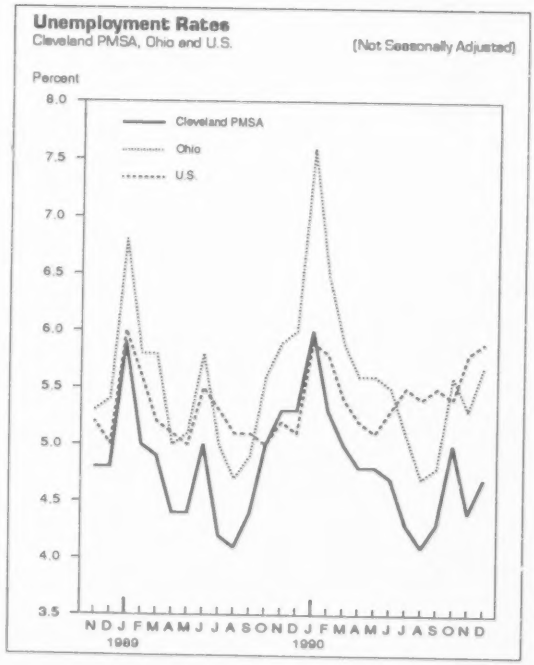


Nonagricultural payroll employment in the Cleveland metropolitan area fell 26,600 below the December 1990 level to 931,000 in January 1991. Service-producing industries declined 20,900 due chiefly to the release of temporary employees in retail trade and services. Seasonal decreases in transportation and public utilities and layoffs of nonteaching personnel in local and state schools and colleges also contributed to the decline. Less business in construction, especially special trade contractors, and cutbacks in manufacturing lowered the workforce in goods-producing industries 5,700 over the month to 234,000. Reductions in primary metal industries, fabricated metal products, and printing and publishing negated a modest increase in transportation equipment. Factory production workers averaged $12.20 per hour, up fractionally from December. Their average workweek of 41.8 hours was 0.6 hours shorter.

Nonfarm wage and salary employment advanced 5,500 between January 1990 and January 1991. The number of employees in service-producing industries increased 7,700. Primary growth industries were services (+4,800) and retail trade (+2,000). Employment in goods-producing industries decreased 2,100 from the year-ago level with scattered reductions in manufacturing and declines in construction. Production cutbacks in primary metal industries, industrial machinery and equipment, transportation equipment, and electronic and other electric equipment overshadowed growth in fabricated metal products and printing and publishing.

Seasonally adjusted employment in the Cleveland area totaled 950,000 in January 1991, up 2,000 from December 1990. Increases in manufacturing, retail trade, and government more than offset decreases in construction and services. Since January 1990, nonfarm payroll employment advanced 6,000. Growth in services, retail trade, and finance, insurance, and real estate outweighed reductions in manufacturing and construction.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
952.8	907.2	45.6	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
945.1	888.0	57.1	6.0	January	925.5	205.4	131.2	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	927.7	206.3	132.1	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.9	206.9	132.4	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	940.9	206.8	132.2	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	953.2	207.0	132.3	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	965.2	208.6	133.3	534.25	43.4	12.31
967.6	925.6	42.1	4.3	July	962.7	207.8	132.2	514.74	42.4	12.14
968.6	929.3	39.3	4.1	August	956.3	206.1	131.1	518.38	42.7	12.14
955.4	914.6	40.7	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
962.8	914.4	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
954.7	912.6	42.1	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
958.8	913.3	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
INA	INA	INA	INA	January	931.0	203.7	128.1	509.96	41.8	12.20

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
944	242	35	207	January	702	43	65	162	57	256	120
948	244	36	208	February	704	43	65	162	58	257	120
953	245	36	208	March	708	43	65	162	58	259	121
948	243	35	208	April	704	43	65	162	58	257	120
951	242	34	207	May	709	43	65	162	58	259	122
954	243	35	207	June	711	43	65	163	58	260	122
953	243	35	208	July	709	43	65	163	58	261	118
949	242	35	206	August	708	43	65	164	58	263	114
953	242	34	207	September	711	43	65	164	58	262	120
952	242	34	207	October	710	43	65	164	58	260	120
948	239	34	204	November	709	42	65	163	58	261	119
948	239	35	203	December	709	43	65	163	58	261	119
				1991							
950	240	34	205	January	710	43	65	164	58	260	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	931.0	957.6	925.5	-26.6	5.5
Goods-Producing Industries[e]	234.0	239.7	236.1	-5.7	-2.1
Construction	29.4	34.3	29.9	-4.9	-.5
Special Trade Contractors	20.5	24.1	20.9	-3.6	-.3
Manufacturing	203.7	204.5	205.4	-.8	-1.6
Durable Goods[f]	137.8	138.1	139.8	-.3	-2.0
Stone, Clay, and Glass Products	3.5	3.5	3.4	-.1	.0
Primary Metal Industries	19.8	20.1	20.8	-.3	-1.0
Iron and Steel Foundries	4.4	4.5	4.4	-.1	-.1
Fabricated Metal Products	33.8	34.1	33.0	-.3	.8
Screw Machine Products, Bolts, etc.	5.2	5.2	5.1	.0	.0
Metal Forgings and Stampings	10.6	10.7	10.0	-.1	.5
Industrial Machinery and Equipment	32.7	32.9	33.6	-.1	-.9
Metalworking Machinery	12.7	12.8	13.0	-.1	-.3
Electronic and Other Electric Equipment	15.2	15.2	15.6	.0	-.5
Electrical Industrial Apparatus	4.1	4.1	4.3	.0	-.2
Electric Lighting and Wiring Equipment	5.1	5.2	5.3	.0	-.2
Transportation Equipment	18.2	17.6	18.9	.5	-.7
Motor Vehicles and Equipment	10.6	10.1	11.4	.6	-.8
Instruments and Related Products	7.3	7.4	7.2	-.1	.2
Measuring and Controlling Devices	5.2	5.2	4.8	.0	.3
Nondurable Goods[g]	66.0	66.4	65.6	-.5	.4
Food and Kindred Products	6.6	6.7	6.4	-.1	.2
Apparel and Other Textile Products	3.3	3.3	3.2	.0	.1
Paper and Allied Products	5.9	6.0	5.9	-.1	.0
Printing and Publishing	17.6	17.8	16.9	-.2	.7
Chemicals and Allied Products	14.8	14.8	15.1	.0	-.3
Rubber and Miscellaneous Plastics Products	11.6	11.6	11.7	.0	-.1
Miscellaneous Plastics Products	7.6	7.6	7.1	.0	.5
Service-Producing Industries	697.1	718.0	689.4	-20.9	7.7
Transportation and Public Utilities	41.8	43.4	42.1	-1.6	-.3
Transportation	24.6	26.2	24.3	-1.6	.3
Trucking and Warehousing	11.1	12.1	11.1	-1.0	.0
Transportation by Air	5.5	5.4	5.1	.1	.4
Communications, Electric, Gas Services	17.2	17.2	17.8	.0	-.6
Communications	10.3	10.3	10.5	.0	-.2
Electric, Gas, and Sanitary Services	7.0	7.0	7.3	.0	-.3
Wholesale Trade	64.4	65.3	64.2	-.9	.2
Wholesale Trade-Durable Goods	44.3	44.8	43.9	-.5	.4
Motor Vehicles, Parts, and Supplies	4.1	4.2	4.2	-.1	.0
Professional and Commercial Equipment	8.9	9.0	9.4	-.1	-.5
Retail Trade	161.1	169.8	159.1	-8.6	2.0
General Merchandise Stores	20.5	22.5	21.2	-2.0	-.6
Finance, Insurance, and Real Estate	57.6	58.1	56.9	-.5	.7
Finance	27.5	27.6	27.9	-.2	-.4
Depository Institutions	20.2	20.3	20.5	-.1	-.3
Commercial Banks	12.9	12.9	12.8	.0	.0
Insurance	19.1	19.2	18.4	-.2	.7
Insurance Carriers	14.3	14.4	13.7	-.1	.6
Fire, Marine, and Casualty Insurance	6.3	6.3	6.1	-.1	.1
Services	253.5	261.4	248.6	-8.0	4.8
Business Services	50.6	52.6	49.5	-2.0	1.1
Personnel Supply Services	18.0	19.4	18.2	-1.5	-.3
Computer and Data Processing Services	6.7	6.9	6.2	-.2	.5
Amusements, Including Motion Pictures	9.6	11.4	9.8	-1.8	-.2
Health Services	80.3	80.9	79.0	-.6	1.3
Nursing and Personal Care Facilities	14.3	14.4	13.8	-.2	.5
Hospitals	43.0	43.1	43.5	.0	-.4
Legal Services	9.7	9.8	9.5	-.1	.2
Educational Services	17.8	18.0	17.9	-.2	-.1
Social Services	15.3	15.6	14.2	-.4	1.1
Residential Care	4.2	4.3	3.9	-.1	.3
Engineering and Management Services	22.2	22.8	22.1	-.6	.0
Engineering and Architectural Services	8.3	8.3	8.4	.0	-.1
Accounting, Auditing, and Bookkeeping	6.3	6.4	6.3	-.1	.0
Management and Public Relations	5.1	5.2	4.8	-.1	.3
Government	118.7	119.9	118.4	-1.2	.2
Federal Government	19.7	19.9	20.5	-.2	-.8
State Government	8.0	8.6	7.9	-.6	.1
State Government Education[h]	3.1	3.7	2.9	-.5	.2
Local Government	91.0	91.4	90.0	-.4	1.0
Local Government Education	45.4	45.9	46.1	-.6	-.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

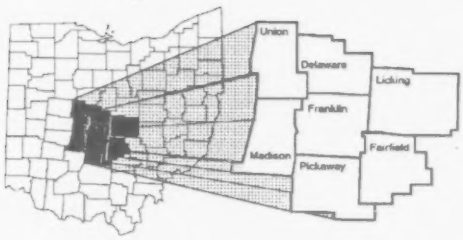
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$509.96	$516.01	$495.33	41.8	42.4	42.3	$12.20	$12.17	$11.71
Durable Goods[f]	536.36	542.28	519.66	42.2	42.8	42.7	12.71	12.67	12.17
Stone, Clay, and Glass Products	479.16	512.56	490.05	41.2	43.0	41.6	11.63	11.92	11.78
Primary Metal Industries	565.36	543.75	519.06	44.1	43.5	43.4	12.82	12.50	11.96
Iron and Steel Foundries	867.10	762.67	766.39	46.0	42.3	44.3	18.85	18.03	17.30
Fabricated Metal Products	557.28	562.46	521.37	43.0	43.2	42.7	12.96	13.02	12.21
Screw Machine Products, Bolts, etc.	536.46	530.93	512.46	43.9	43.2	43.1	12.22	12.29	11.89
Metal Forgings and Stampings	686.02	687.89	646.66	43.2	43.4	43.4	15.88	15.85	14.90
Industrial Machinery and Equipment	506.69	537.59	512.43	41.6	43.6	43.5	12.18	12.33	11.78
Metalworking Machinery	471.98	484.57	512.90	40.1	41.1	43.8	11.77	11.79	11.71
Electronic and Other Electric Equipment	433.78	437.41	427.44	41.0	41.5	41.1	10.58	10.54	10.40
Electrical Industrial Apparatus	443.28	462.53	437.86	42.5	43.8	41.9	10.43	10.56	10.45
Electric Lighting and Wiring Equipment	419.58	404.90	385.07	38.6	37.7	38.7	10.87	10.74	9.95
Transportation Equipment	681.86	683.09	663.60	41.4	41.5	42.0	16.47	16.46	15.80
Motor Vehicles and Equipment	724.53	731.27	721.76	39.7	39.7	41.6	18.25	18.42	17.35
Instruments and Related Products	449.34	449.60	439.93	41.3	41.4	41.0	10.88	10.86	10.73
Measuring and Controlling Devices	478.93	494.75	465.30	42.8	43.9	42.3	11.19	11.27	11.00
Nondurable Goods[g]	448.95	452.50	436.54	41.0	41.4	41.3	10.95	10.93	10.57
Food and Kindred Products	450.47	458.69	477.41	39.9	40.7	42.1	11.29	11.27	11.34
Apparel and Other Textile Products	391.64	399.56	373.80	39.6	39.6	39.1	9.89	10.09	9.56
Paper and Allied Products	543.92	543.98	507.30	45.9	46.1	44.5	11.85	11.80	11.40
Printing and Publishing	397.95	410.01	375.12	37.9	38.9	37.7	10.50	10.54	9.95
Chemicals and Allied Products	556.50	547.94	547.78	42.0	41.7	43.2	13.25	13.14	12.68
Rubber and Miscellaneous Plastics Products	364.27	376.97	374.59	40.7	41.7	41.9	8.95	9.04	8.94
Miscellaneous Plastics Products	372.50	395.04	385.10	40.8	42.8	42.6	9.13	9.23	9.04
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	489.03	498.40	464.75	34.2	35.0	33.8	14.27	14.24	13.75
Communications, Electric, Gas Services	697.45	680.98	621.84	43.7	43.1	41.1	15.96	15.80	15.13
Wholesale Trade	462.91	468.81	454.70	38.9	39.1	39.3	11.90	11.99	11.57
Retail Trade[f]	194.15	199.65	182.65	27.5	28.4	26.9	7.06	7.03	6.79
General Merchandise Stores	196.98	213.41	188.10	29.4	31.2	27.5	6.70	6.84	6.84
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	322.49	324.36	323.69	....	....	....	.....	.....	.....
Depository Institutions	293.21	295.99	295.25	....	....	....	.....	.....	.....
Commercial Banks	285.27	285.31	288.14	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	341.95	341.02	324.68	31.2	31.2	31.1	10.96	10.93	10.44
Nursing and Personal Care Facilities	255.70	260.95	226.94	33.6	34.2	32.7	7.61	7.63	6.94
Hospitals	373.92	375.15	358.15	30.4	30.5	30.3	12.30	12.30	11.82

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

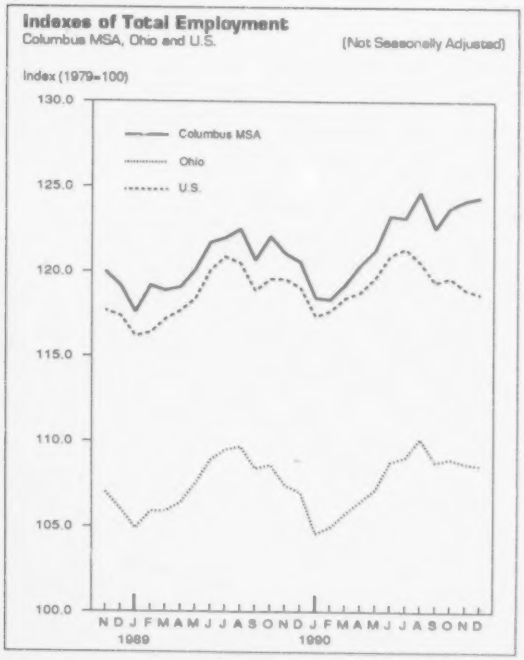
Columbus Metropolitan Statistical Area

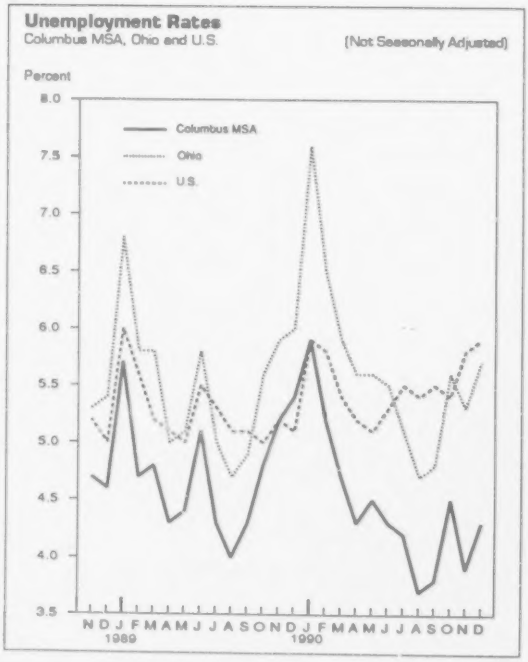


In the Columbus metropolitan area, total nonfarm payroll employment fell 19,800 below the December 1990 level to 717,500 in January 1991. The release of temporary workers in retail trade and services helped lower employment in service-producing industries 16,300. Seasonal layoffs of nonteaching personnel in state schools and colleges and less business in transportation and public utilities also contributed to the decline. The workforce in goods-producing industries decreased 3,500 over the month to 130,900 chiefly due to reductions in construction. Manufacturing production workers averaged $12.67 per hour, down 10 cents from December. Their average workweek of 41.7 hours was 1.3 hours shorter.

Nonagricultural wage and salary employment advanced 15,200 between January 1990 and January 1991. The number of jobs in service-producing industries rose 14,100 during the period. Primary areas of expansion were services, especially business and health services, and state and local government. Noteworthy growth was posted in retail trade. Employment in the goods-producing sector increased 1,100 as scattered gains in manufacturing outweighed declines in construction employment. Over-the-year growth in transportation equipment, particularly motor vehicles and equipment, fabricated metal products, and food and kindred products more than offset a reduction in stone, clay, and glass products.

Seasonally adjusted employment in the Columbus area rose 2,000 from December 1990 to 729,000 in January 1991 due to nominal gains in manufacturing and government. Since January 1990, total payroll employment advanced 16,000. Leading growth industries were services (+8,000), government (+4,000), and manufacturing (+2,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	704.7	104.9	69.5	500.82	41.7	12.01
737.3	704.7	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
727.2	684.3	42.9	5.9	January	702.3	102.6	68.3	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	704.3	103.6	69.1	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.5	103.9	69.6	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	716.5	104.5	70.0	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	723.3	104.3	69.7	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	731.9	105.3	70.3	520.80	42.0	12.40
742.4	711.6	30.8	4.2	July	722.0	103.8	68.7	524.15	42.1	12.45
747.6	720.2	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
736.6	708.3	28.3	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
748.8	715.2	33.6	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
746.7	717.4	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
750.0	718.2	31.9	4.3	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
INA	INA	IN.	INA	January	717.5	104.4	69.5	528.34	41.7	12.67

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	12	22	106	1985	475	26	32	119	49	136	112
631	13	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
713	134	30	103	January	580	31	36	148	60	178	127
715	135	30	104	February	579	31	36	148	60	178	127
717	136	31	105	March	581	31	36	148	60	178	128
718	135	29	105	April	583	31	36	146	61	180	129
720	135	29	105	May	585	31	36	146	61	181	130
725	136	30	105	June	590	31	36	147	61	184	130
726	134	29	104	July	593	31	36	148	61	185	132
728	135	29	105	August	592	31	36	149	61	186	130
726	135	29	105	September	591	31	36	149	61	186	130
727	135	29	106	October	592	31	36	149	61	186	130
728	134	29	104	November	593	31	36	149	61	186	130
727	134	29	104	December	593	31	36	149	61	186	130
				1991							
729	135	29	105	January	594	31	36	149	61	186	131

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	717.5	737.3	702.3	-19.8	15.2
Goods-Producing Industries[e]	130.9	134.4	129.8	-3.5	1.1
Construction	25.6	28.9	26.4	-3.3	-.8
Manufacturing	104.4	104.6	102.6	-.1	1.8
Durable Goods[f]	65.9	65.5	64.7	.3	1.2
Stone, Clay, and Glass Products	9.0	8.8	9.7	.1	-.8
Glass and Glassware, Pressed or Blown	3.4	3.1	3.5	.3	-.1
Fabricated Metal Products	9.5	9.2	9.1	.3	.4
Industrial Machinery and Equipment	10.0	10.1	9.8	-.1	.2
Electronic and Other Electric Equipment	9.8	9.7	9.5	.1	.3
Transportation Equipment	15.8	15.8	14.3	.0	1.5
Motor Vehicles and Equipment	14.1	14.1	12.9	.0	1.2
Instruments and Related Products	4.2	4.2	4.6	.0	-.4
Nondurable Goods[g]	38.5	39.0	37.9	-.5	.7
Food and Kindred Products	10.7	10.8	10.3	-.1	.4
Dairy Products	4.1	4.1	3.7	.0	.4
Printing and Publishing	10.9	10.9	10.6	.0	.3
Chemicals and Allied Products	6.7	6.8	6.9	-.1	-.2
Rubber and Miscellaneous Plastics Products	6.1	6.3	6.0	-.1	.1
Service-Producing Industries	586.6	602.9	572.5	-16.3	14.1
Transportation and Public Utilities	30.4	31.4	30.3	-1.0	.1
Transportation	17.7	18.6	17.8	-.9	-.1
Trucking and Warehousing	12.6	13.4	12.3	-.8	.3
Communications, Electric, Gas Services	12.8	12.8	12.6	.0	.2
Communications	7.9	8.0	7.8	.0	.1
Electric, Gas, and Sanitary Services	4.9	4.9	4.7	.0	.1
Wholesale Trade	35.7	36.4	35.8	-.7	-.1
Wholesale Trade-Durable Goods	22.6	22.8	22.9	-.3	-.3
Motor Vehicles, Parts, and Supplies	3.0	3.1	3.0	-.1	.0
Machinery, Equipment, and Supplies	4.9	4.9	5.2	.0	-.4
Wholesale Trade-Nondurable Goods	13.1	13.6	12.9	-.4	.2
Retail Trade	146.6	154.9	145.5	-8.3	1.2
General Merchandise Stores	21.4	23.8	21.8	-2.4	-.3
Food Stores	16.8	17.6	16.5	-.8	.3
Automotive Dealers and Service Stations	14.1	14.2	13.7	-.1	.4
Finance, Insurance, and Real Estate	60.4	60.9	59.8	-.4	.7
Finance	24.3	24.6	24.2	-.4	.0
Depository Institutions	13.5	13.9	13.9	-.4	-.4
Commercial Banks	11.3	11.7	11.4	-.3	-.1
Insurance	26.8	26.8	26.8	.0	.0
Insurance Carriers	22.9	22.8	22.8	.0	.0
Services	181.7	185.8	173.3	-4.1	8.5
Business Services	42.4	44.0	37.6	-1.6	4.8
Personnel Supply Services	17.0	18.0	12.9	-1.1	4.0
Health Services	47.3	47.5	45.2	-.2	2.2
Nursing and Personal Care Facilities	8.4	8.4	7.9	.0	.5
Hospitals	22.2	22.1	21.2	.0	1.0
Legal Services	4.6	4.6	4.4	-.1	.1
Educational Services	7.1	7.3	7.9	-.2	-.7
Social Services	13.5	13.7	12.7	-.2	.8
Engineering and Management Services	18.4	18.5	18.1	-.1	.3
Engineering and Architectural Services	5.1	5.1	4.6	.0	.5
Accounting, Auditing, and Bookkeeping	4.0	3.9	4.0	.1	.0
Research and Testing Services	5.7	5.7	5.9	.0	-.2
Government	131.7	133.5	127.9	-1.9	3.8
Federal Government	16.0	16.3	16.4	-.3	-.4
State Government	57.8	58.9	55.6	-1.2	2.2
State Government Education[h]	24.4	25.8	23.0	-1.4	1.3
Local Government	57.9	58.3	55.9	-.4	2.0
Local Government Education	35.4	35.7	34.0	-.2	1.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

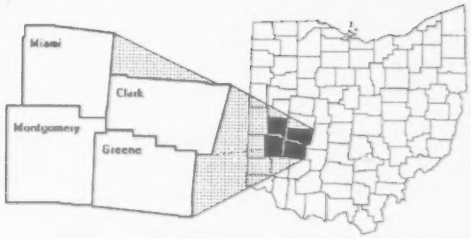
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$528.34	$549.11	$516.57	41.7	43.0	42.1	$12.67	$12.77	$12.27
Durable Goods[f]	542.67	567.23	530.88	42.1	43.3	42.2	12.89	13.10	12.58
Stone, Clay, and Glass Products	530.72	538.16	502.85	42.8	43.4	41.8	12.40	12.40	12.03
Glass and Glassware, Pressed or Blown	446.08	455.95	451.14	39.9	41.3	41.2	11.18	11.04	10.95
Fabricated Metal Products	551.88	525.16	489.24	42.0	40.9	40.5	13.14	12.84	12.08
Industrial Machinery and Equipment	540.76	572.39	497.54	44.0	45.5	41.6	12.29	12.58	11.96
Electronic and Other Electric Equipment	541.85	614.71	505.36	42.2	45.5	41.8	12.84	13.51	12.09
Transportation Equipment	606.29	651.92	668.63	41.9	43.9	45.3	14.47	14.85	14.76
Motor Vehicles and Equipment	600.92	648.83	671.01	41.3	43.4	45.4	14.55	14.95	14.78
Instruments and Related Products	430.40	458.43	390.66	40.0	41.6	38.3	10.76	11.02	10.20
Nondurable Goods[g]	500.61	515.10	487.06	41.0	42.5	41.7	12.21	12.12	11.68
Food and Kindred Products	446.45	481.57	422.10	41.3	44.1	41.1	10.81	10.92	10.27
Dairy Products	704.43	639.45	653.97	47.5	44.1	45.7	14.83	14.50	14.31
Printing and Publishing	572.85	599.23	558.56	40.2	41.7	40.3	14.25	14.37	13.86
Chemicals and Allied Products	679.29	670.13	658.12	43.6	43.6	43.7	15.58	15.37	15.06
Rubber and Miscellaneous Plastics Products	398.86	390.70	398.11	40.7	41.3	42.9	9.80	9.46	9.28
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	417.96	441.32	448.80	32.2	34.0	34.0	12.98	12.98	13.20
Communications, Electric, Gas Services	692.17	690.61	660.07	44.2	44.1	43.8	15.66	15.66	15.07
Communications	684.20	682.65	582.65	44.0	43.9	40.1	15.55	15.55	14.53
Electric, Gas, and Sanitary Services	706.46	702.85	794.74	44.6	44.4	50.3	15.84	15.83	15.80
Wholesale Trade	415.06	411.06	398.21	38.9	39.0	38.4	10.67	10.54	10.37
Retail Trade[i]	183.85	194.60	183.03	26.8	28.0	27.4	6.86	6.95	6.68
General Merchandise Stores	211.59	232.87	202.19	28.1	30.6	28.2	7.53	7.61	7.17
Food Stores	189.66	193.01	189.13	26.6	27.3	26.6	7.13	7.07	7.11
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	489.39	485.27	439.25	....	....	....	.....	.....	.....
Depository Institutions	303.58	301.68	286.63	....	....	....	.....	.....	.....
Commercial Banks	302.31	301.54	284.87	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	245.48	248.58	229.91	32.3	33.1	32.2	7.60	7.51	7.14
Hospitals	390.92	392.02	400.42	33.7	34.0	34.4	11.60	11.53	11.64
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	508.26	510.05	491.44	39.4	39.6	39.6	12.90	12.88	12.41

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

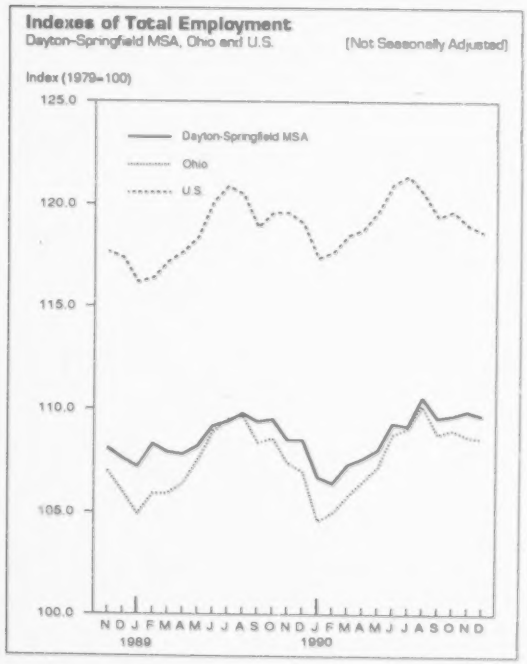
Dayton-Springfield Metropolitan Statistical Area

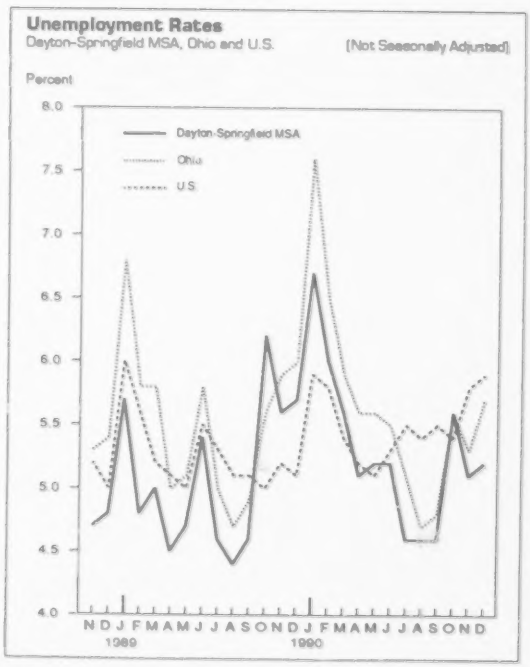


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area dropped 11,700 below the December 1990 level to 445,600 in January 1991. The release of temporary workers in retail trade and services helped lower employment in service-producing industries 9,500. The number of jobs in goods-producing industries declined 2,200 over the month to 114,800 chiefly due to seasonal layoffs in construction. The manufacturing workforce lost 300 jobs as scattered reductions in durable goods negated increases in nondurable goods, especially rubber and miscellaneous plastics products. Factory production workers averaged $13.70 per hour, up 10 cents from December. Their average workweek was unchanged from last month at 41.5 hours.

Nonfarm wage and salary employment advanced 1,200 between January 1990 and January 1991. Expansion in service-producing industries created 3,000 jobs. Leading growth sectors were services, particularly business services, and retail trade. Employment in goods-producing industries was 1,800 below the year-ago level with moderate cutbacks in construction. Manufacturing employment declined slightly as decreased production in industrial machinery and equipment, fabricated metal products, and printing and publishing offset growth in rubber and miscellaneous plastics products, transportation equipment, and paper and allied products.

Seasonally adjusted employment in the Dayton-Springfield area totaled 452,000 in January 1991, unchanged from December 1990. Gains in construction and manufacturing counterbalanced decreases in transportation and public utilities, finance, insurance, and real estate, and services. Since January 1990, nonfarm payroll employment rose 1,000 mainly due to growth in services.





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
479.7	454.3	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
478.5	446.2	32.3	6.7	January	444.5	101.1	65.3	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	445.2	101.9	65.7	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	449.2	102.2	66.0	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	450.5	102.7	66.6	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	453.9	103.3	67.1	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	455.3	104.3	67.8	605.68	43.7	13.86
478.5	456.5	22.0	4.6	July	449.6	103.9	67.0	570.54	42.2	13.52
484.6	462.4	22.2	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
480.5	458.2	22.3	4.6	September	456.3	103.2	66.9	590.04	43.1	13.69
485.8	458.4	27.4	5.6	October	456.4	102.6	66.8	580.98	42.5	13.67
483.7	459.2	24.5	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
483.7	458.7	25.0	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
INA	INA	INA	INA	January	445.6	100.8	64.9	568.55	41.5	13.70

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
451	120	17	102	January	331	18	20	81	17	117	77
452	121	18	103	February	331	18	20	82	17	118	76
454	121	18	103	March	333	18	20	82	17	118	77
451	120	17	103	April	330	18	20	82	17	117	76
453	120	16	103	May	333	18	20	82	17	118	77
453	120	16	104	June	333	18	20	82	17	118	77
453	120	16	104	July	333	18	20	82	17	118	78
454	119	16	103	August	336	19	20	82	17	119	79
452	118	16	102	September	334	19	20	82	17	119	77
451	118	15	102	October	333	18	20	82	17	119	77
451	117	15	101	November	334	18	20	82	18	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
452	118	16	102	January	334	18	20	82	17	119	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	445.6	457.4	444.5	-11.7	1.2
Goods-Producing Industries[e]	114.8	117.0	116.6	-2.2	-1.8
Construction	13.6	15.5	15.2	-1.9	-1.6
Manufacturing	100.8	101.1	101.1	-.3	-.2
Durable Goods[f]	71.6	72.1	72.7	-.5	-1.0
Fabricated Metal Products	7.9	7.9	8.3	-.1	-.5
Industrial Machinery and Equipment	30.4	30.5	30.9	-.2	-.6
Metalworking Machinery	8.1	8.2	8.4	-.1	-.3
General Industrial Machinery	2.9	2.9	2.9	.0	.1
Electronic and Other Electric Equipment	3.4	3.5	3.5	.0	-.1
Transportation Equipment	21.5	21.6	20.9	-.1	.6
Motor Vehicles and Equipment	18.5	18.6	17.7	-.1	.8
Nondurable Goods[g]	29.2	29.0	28.4	.2	.8
Food and Kindred Products	2.7	2.7	2.7	.0	.0
Paper and Allied Products	6.5	6.6	6.2	-.1	.3
Printing and Publishing	8.6	8.7	9.0	.0	-.4
Rubber and Miscellaneous Plastics Products	7.9	7.5	7.1	.3	.7
Service-Producing Industries	330.8	340.3	327.9	-9.5	3.0
Transportation and Public Utilities	18.1	18.8	18.1	-.7	.0
Transportation	11.5	12.3	11.6	-.7	-.1
Trucking and Warehousing	5.5	6.1	5.8	-.6	-.3
Communications, Electric, Gas Services	6.5	6.5	6.5	.0	.1
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	19.6	19.9	19.9	-.3	-.3
Wholesale Trade-Durable Goods	13.3	13.5	13.7	-.2	-.4
Wholesale Trade-Nondurable Goods	6.3	6.4	6.2	-.1	.1
Retail Trade	81.1	85.1	79.9	-4.1	1.2
General Merchandise Stores	13.0	14.3	12.6	-1.3	.4
Finance, Insurance, and Real Estate	17.3	17.5	17.0	-.2	.3
Finance	9.6	9.6	9.4	.0	.1
Depository Institutions	7.3	7.4	7.1	.0	.2
Insurance	4.5	4.6	4.3	.0	.2
Services	116.9	120.6	115.1	-3.7	1.7
Business Services	23.5	24.8	22.4	-1.3	1.1
Personnel Supply Services	6.5	7.7	6.2	-1.2	.3
Computer and Data Processing Services	6.1	6.0	5.2	.1	.9
Health Services	39.2	39.7	39.1	-.5	.1
Nursing and Personal Care Facilities	6.9	7.1	7.2	-.1	-.3
Hospitals	19.8	20.0	20.0	-.2	-.2
Educational Services	8.6	9.3	8.6	-.7	.0
Social Services	6.4	6.5	6.1	-.1	.3
Engineering and Management Services	10.3	10.5	10.3	-.2	.0
Research and Testing Services	3.1	3.2	3.2	-.1	-.1
Government	78.0	78.4	77.9	-.5	.1
Federal Government	28.1	28.3	29.4	-.2	-1.3
State Government	7.7	7.7	7.3	.0	.4
State Government Education[h]	4.7	4.8	4.4	.0	.3
Local Government	42.2	42.4	41.2	-.2	1.0
Local Government Education	26.5	26.8	25.9	-.3	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

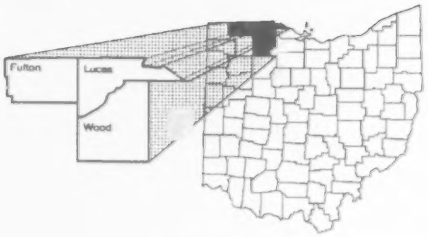
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$568.55	$564.40	$535.30	41.5	41.5	41.4	$13.70	$13.60	$12.93
Durable Goods[f]	595.86	592.07	557.61	42.2	42.2	41.8	14.12	14.03	13.34
Fabricated Metal Products	408.70	398.52	400.49	41.2	40.5	40.7	9.92	9.84	9.84
Industrial Machinery and Equipment	624.67	621.65	590.97	43.2	43.2	42.7	14.46	14.39	13.84
Metalworking Machinery	608.85	611.09	597.30	45.0	44.9	45.7	13.53	13.61	13.07
General Industrial Machinery	575.51	574.12	510.42	46.3	46.3	44.5	12.43	12.40	11.47
Electronic and Other Electric Equipment	382.08	391.00	367.79	42.5	43.3	41.7	8.99	9.03	8.82
Transportation Equipment	733.91	722.72	677.63	42.3	41.8	41.7	17.35	17.29	16.25
Motor Vehicles and Equipment	737.35	724.30	681.03	41.8	41.2	41.4	17.64	17.58	16.45
Nondurable Goods[g]	495.06	491.53	465.96	39.7	39.8	40.1	12.47	12.35	11.62
Food and Kindred Products	338.63	337.26	339.21	38.7	38.9	38.9	8.75	8.67	8.72
Paper and Allied Products	498.62	503.76	484.34	42.4	42.8	43.4	11.76	11.77	11.16
Printing and Publishing	458.62	446.46	445.06	38.8	37.9	38.6	11.82	11.78	11.53
Rubber and Miscellaneous Plastics Products	628.45	600.72	556.87	39.5	37.9	37.1	15.91	15.85	15.01
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	599.26	598.22	562.47	41.3	41.2	40.7	14.51	14.52	13.82
Communications	624.67	629.34	555.01	41.7	41.9	39.9	14.98	15.02	13.91
Wholesale Trade	396.15	394.45	391.24	38.8	38.9	39.4	10.21	10.14	9.93
Retail Trade[i]	175.34	187.99	166.98	27.1	29.1	27.6	6.47	6.46	6.05
General Merchandise Stores	193.62	215.03	175.44	27.7	31.3	27.2	6.99	6.87	6.45
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	285.30	290.26	269.47	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	416.24	415.73	409.60	34.4	34.5	34.8	12.10	12.05	11.77

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

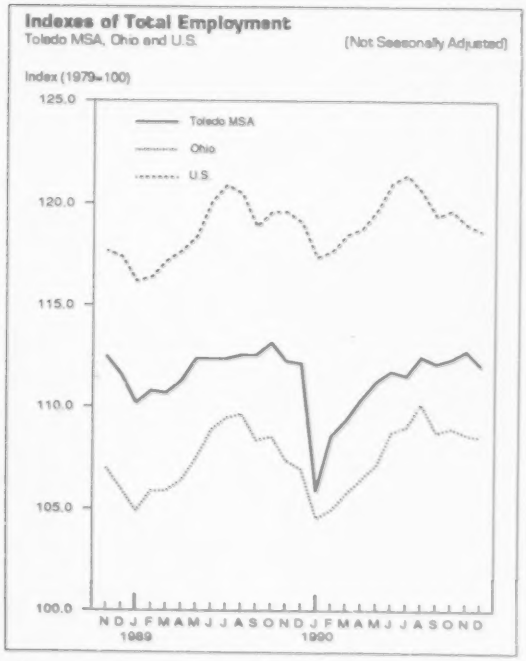
Toledo Metropolitan Statistical Area

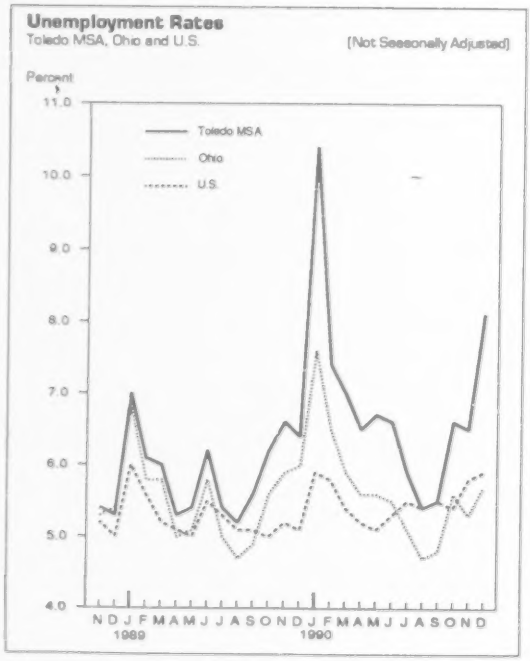


Nonfarm payroll employment in the Toledo metropolitan area dropped 10,400 below the December 1990 level to 281,000 in January 1991. The release of temporary workers in retail trade, seasonal layoffs of nonteaching personnel in state schools and colleges, and less business in services and transportation and public utilities lowered employment in service-producing industries 8,000. The number of jobs in goods-producing industries declined 2,400 over the month to 64,300 due to cutbacks in construction and durable-goods manufacturing, especially fabricated metal products, primary metal industries, and transportation equipment. Factory production workers averaged $13.31 per hour, down 9 cents from December. Their average workweek of 42.6 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment declined 900 between January 1990 and January 1991. Employment in goods-producing industries fell 2,200 due to over-the-year production cutbacks in durable-goods manufacturing, especially transportation equipment, and reductions in construction employment. Expansion in services raised employment in service-producing industries 1,300 during the period.

Seasonally adjusted employment in the Toledo area totaled 286,000 in January 1991, unchanged from December 1990. Since January 1990, nonfarm payroll employment declined 1,000 as reductions in construction, manufacturing, and retail trade outweighed an increase in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	291.9	61.5	43.9	576.81	43.5	13.26
318.3	296.4	21.9	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
315.8	283.0	32.8	10.4	January	281.9	55.7	37.4	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	286.0	58.9	42.1	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	288.4	58.9	42.1	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	291.2	59.7	43.1	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	294.0	60.0	43.2	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	293.1	60.7	43.7	585.90	43.4	13.50
316.8	298.2	18.6	5.9	July	288.9	60.4	43.4	576.09	42.8	13.46
317.9	300.7	17.2	5.4	August	288.4	60.4	43.5	584.87	43.1	13.57
317.5	299.9	17.5	5.5	September	294.4	61.1	44.2	610.94	44.4	13.76
321.6	300.3	21.3	6.6	October	294.8	59.5	42.8	585.30	43.1	13.58
322.2	301.3	20.8	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
325.8	299.6	26.3	8.1	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
INA	INA	INA	INA	January	281.0	54.2	37.5	567.01	42.6	13.31

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
287	69	12	56	January	218	15	15	57	12	76	43
291	72	12	59	February	219	15	15	57	12	76	44
292	72	13	59	March	220	15	15	57	12	76	44
291	73	13	60	April	219	15	15	57	12	76	44
292	73	12	60	May	219	15	15	57	12	76	44
293	73	12	61	June	221	15	15	57	12	76	45
292	73	12	61	July	219	15	15	57	12	77	43
292	72	12	60	August	220	14	15	57	12	77	44
292	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	219	15	15	56	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
286	66	11	55	December	220	15	15	56	12	78	44
				1991							
286	66	11	55	January	219	15	15	56	12	78	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	281.0	291.4	281.9	-10.4	-.9
Goods-Producing Industries[e]	64.3	66.7	66.5	-2.4	-2.2
Construction	9.9	11.3	10.6	-1.4	-.7
Manufacturing	54.2	55.2	55.7	-.9	-1.4
Durable Goods[f]	39.4	40.4	40.7	-1.0	-1.3
Stone, Clay, and Glass Products	7.7	7.8	8.0	-.1	-.3
Primary Metal Industries	3.1	3.3	3.2	-.2	-.1
Fabricated Metal Products	5.8	6.3	5.8	-.5	-.1
Metal Forgings and Stampings	2.1	2.3	2.0	-.3	.1
Industrial Machinery and Equipment	5.8	5.8	5.7	.0	.2
Transportation Equipment	9.8	9.9	11.2	-.2	-1.5
Nondurable Goods[g]	14.9	14.8	15.0	.1	-.1
Food and Kindred Products	3.6	3.5	3.8	.1	-.2
Rubber and Miscellaneous Plastics Products	3.8	3.8	3.7	.0	.1
Service-Producing Industries	216.7	224.7	215.4	-8.0	1.3
Transportation and Public Utilities	14.2	15.2	14.1	-1.0	.0
Transportation	9.3	10.3	9.4	-.9	-.1
Communications, Electric, Gas Services	4.8	4.9	4.7	-.1	.1
Wholesale Trade	15.0	15.2	15.2	-.2	-.2
Wholesale Trade-Durable Goods	9.7	9.9	9.9	-.1	-.2
Wholesale Trade-Nondurable Goods	5.3	5.4	5.3	-.1	.0
Retail Trade	55.5	58.9	55.9	-3.4	-.3
General Merchandise Stores	8.8	9.7	9.0	-.9	-.2
Finance, Insurance, and Real Estate	12.0	12.1	12.0	-.1	.0
Finance	6.2	6.2	6.3	.0	-.2
Insurance	3.7	3.8	3.7	.0	.0
Services	76.3	77.6	74.2	-1.3	2.0
Business Services	12.3	12.7	12.5	-.4	-.2
Personnel Supply Services	4.4	4.8	4.3	-.4	.0
Health Services	28.5	28.7	27.7	-.2	.8
Nursing and Personal Care Facilities	4.0	4.1	4.1	-.1	-.1
Hospitals	15.5	15.5	15.1	.0	.4
Engineering and Management Services	6.0	6.2	5.9	-.1	.1
Government	43.8	45.7	44.0	-2.0	-.2
Federal Government	2.5	2.5	2.6	.0	-.1
State Government	16.0	17.7	16.0	-1.7	.0
State Government Education[h]	11.7	13.5	11.7	-1.7	.0
Local Government	25.3	25.6	25.4	-.3	-.1
Local Government Education	14.9	15.2	14.8	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

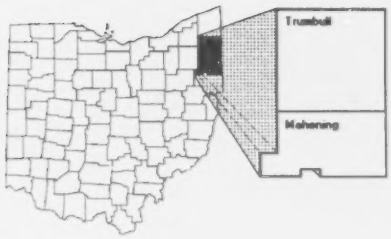
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$567.01	$573.52	$522.88	42.6	42.8	42.1	$13.31	$13.40	$12.42
Durable Goods[f]	572.61	568.51	512.08	42.7	42.3	41.7	13.41	13.44	12.28
Stone, Clay, and Glass Products	527.10	527.47	491.88	41.9	41.5	41.3	12.58	12.71	11.91
Primary Metal Industries	497.70	504.74	492.48	42.0	43.4	43.2	11.85	11.63	11.40
Fabricated Metal Products	509.65	499.20	454.18	42.9	41.6	40.3	11.88	12.00	11.27
Metal Forgings and Stampings	700.34	710.79	621.57	42.6	43.0	41.3	16.44	16.53	15.05
Industrial Machinery and Equipment	488.14	504.71	494.16	41.9	42.7	42.6	11.65	11.82	11.60
Transportation Equipment	754.80	745.50	743.01	42.5	42.0	42.8	17.76	17.75	17.36
Nondurable Goods[g]	548.14	584.77	545.27	42.1	44.1	42.8	13.02	13.26	12.74
Food and Kindred Products	620.78	743.82	713.39	43.2	48.3	48.3	14.37	15.40	14.77
Rubber and Miscellaneous Plastics Products	352.63	357.41	359.07	40.3	40.8	40.3	8.75	8.76	8.91
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	651.14	643.22	609.00	41.5	41.1	40.9	15.69	15.65	14.89
Wholesale Trade	421.05	421.20	412.00	40.1	40.0	40.0	10.50	10.53	10.30
Retail Trade[i]	166.00	173.26	160.33	26.1	27.2	26.5	6.36	6.37	6.05
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	359.53	352.11	374.25	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

Youngstown-Warren Metropolitan Statistical Area

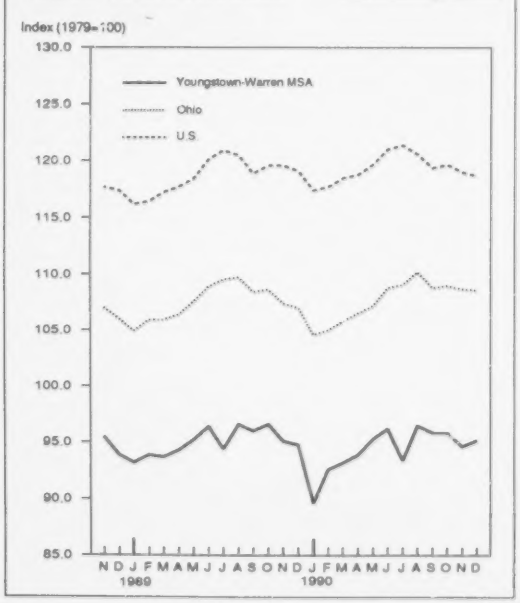


In the Youngstown-Warren metropolitan area, total nonfarm payroll employment dropped 5,700 below the December 1990 level to 194,800 in January 1991. The release of temporary workers in retail trade and services lowered employment in the service-producing sector 4,300. Employment in goods-producing industries declined 1,400 over the month to 55,100 due chiefly to seasonal layoffs in construction. Manufacturing production workers averaged $15.37 per hour, up fractionally from December. Their average workweek of 42.0 hours was 0.2 hours longer.

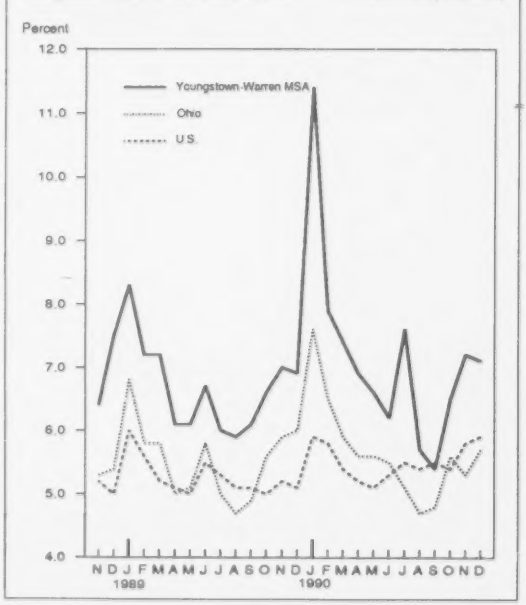
Nonagricultural wage and salary employment advanced 6,400 between January 1990 and January 1991. The number of jobs in goods-producing industries was 5,200 above the year-ago level as scattered improvements in durable- and nondurable-goods manufacturing more than offset declines in construction. Temporary shutdowns in manufacturing, especially in transportation equipment and fabricated metal products, lowered manufacturing employment significantly in January 1990. The workforce in service-producing industries rose 1,200 over the year. Noteworthy expansion occurred in services, retail trade, wholesale trade, and local government. Employment in transportation and public utilities declined.

Seasonally adjusted employment in the Youngstown-Warren area totaled 199,000 in January 1991, unchanged from December 1990. Since January 1990, nonfarm payroll employment advanced 6,000. Over-the-year gains in manufacturing and services outweighed decreases in construction and finance, insurance, and real estate. Manufacturing employment was significantly lower in January 1990 due to temporary production shutdowns.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
223.5	207.5	16.0	7.1	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
222.3	197.0	25.3	11.4	January	188.4	42.2	29.6	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	194.4	48.9	36.7	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	196.6	49.0	36.8	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	197.7	49.2	37.0	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	201.3	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	202.0	50.5	38.1	636.08	43.3	14.69
222.3	205.3	17.0	7.6	July	193.4	43.9	31.4	604.56	42.1	14.36
225.2	212.3	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
222.7	210.8	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
225.3	210.8	14.6	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
224.4	208.3	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
225.4	209.3	16.1	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
INA	INA	INA	INA	January	194.8	48.0	35.6	645.54	42.0	15.37

INA – Information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	9	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
193	52	9	43	January	141	7	11	42	9	47	24
199	59	9	49	February	140	8	11	42	9	47	24
200	58	9	49	March	141	8	11	42	9	48	24
198	58	8	49	April	141	7	11	42	8	48	24
199	58	8	50	May	141	7	11	42	8	48	25
199	59	8	50	June	141	7	11	42	8	48	24
194	54	8	45	July	141	7	11	42	8	48	24
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	49	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
196	55	8	46	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
199	57	8	48	January	142	7	11	42	8	48	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	194.8	200.4	188.4	-5.7	6.4
Goods-Producing Industries[e]	55.1	56.4	49.8	-1.4	5.2
Construction	6.7	7.9	7.3	-1.2	-.5
Manufacturing	48.0	48.2	42.2	-.1	5.8
Durable Goods[f]	42.7	42.9	37.1	-.2	5.6
Primary Metal Industries	17.5	17.4	17.5	.1	.0
Blast Furnace and Basic Steel Products	6.5	6.5	6.4	.0	.2
Fabricated Metal Products	7.1	7.2	5.8	-.1	1.3
Metal Forgings and Stampings	3.9	3.9	2.4	.0	1.5
Industrial Machinery and Equipment	4.2	4.2	4.4	.0	-.1
Transportation Equipment	9.2	9.2	4.5	.0	4.7
Nondurable Goods[g]	5.3	5.3	5.0	.1	.3
Service-Producing Industries	139.7	144.0	138.5	-4.3	1.2
Transportation and Public Utilities	6.9	7.3	7.3	-.4	-.4
Wholesale Trade	11.1	11.4	10.9	-.3	.3
Wholesale Trade-Durable Goods	6.4	6.6	6.6	-.2	-.2
Wholesale Trade-Nondurable Goods	4.7	4.9	4.3	-.1	.5
Retail Trade	41.6	43.6	41.2	-2.1	.4
General Merchandise Stores	5.7	6.3	5.9	-.6	-.2
Finance, Insurance, and Real Estate	8.3	8.2	8.5	.1	-.2
Finance	4.7	4.6	4.7	.0	.0
Services	46.9	47.8	46.1	-.9	.8
Health Services	21.5	21.6	21.1	-.2	.4
Nursing and Personal Care Facilities	5.0	5.0	4.9	-.1	.1
Hospitals	10.7	10.6	10.7	.1	.0
Government	24.8	25.5	24.5	-.7	.3
State Government	4.2	4.7	4.2	-.5	.0
State Government Education[h]	2.7	3.2	2.7	-.5	.0
Local Government	18.5	18.7	18.3	-.2	.3
Local Government Education	11.8	12.0	11.8	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

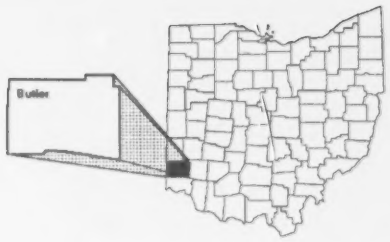
Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$645.54	$641.21	$579.83	42.0	41.8	42.2	$15.37	$15.34	$13.74
Durable Goods[f]	662.65	658.56	596.99	42.1	42.0	42.4	15.74	15.68	14.08
Primary Metal Industries	666.37	660.85	649.32	41.7	41.2	42.0	15.98	16.04	15.46
Blast Furnace and Basic Steel Products	696.39	675.65	662.63	47.6	46.5	46.5	14.63	14.53	14.25
Fabricated Metal Products	629.24	627.90	579.04	41.1	41.5	44.0	15.31	15.13	13.16
Metal Forgings and Stampings	777.44	777.01	773.69	43.0	43.0	47.7	18.08	18.07	16.22
Industrial Machinery and Equipment	532.98	527.08	513.36	42.3	42.2	41.5	12.60	12.49	12.37
Transportation Equipment	824.01	820.37	697.57	45.3	45.1	43.9	18.19	18.19	15.89
Nondurable Goods[g]	447.02	449.01	428.39	40.2	39.7	40.3	11.12	11.31	10.63
Wholesale Trade	375.87	381.15	381.79	37.7	37.7	38.8	9.97	10.11	9.84
Retail Trade[i]	176.18	189.28	179.85	26.1	28.0	27.5	6.75	6.76	6.54
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	231.87	229.24	225.13	....	....	....	.....	.....	.....

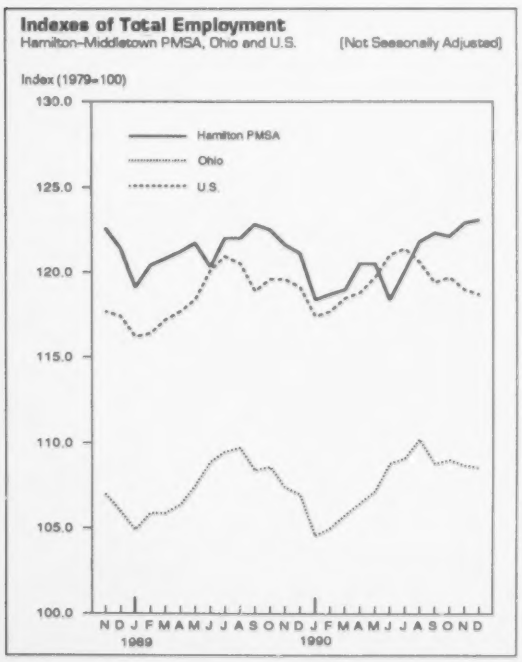
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

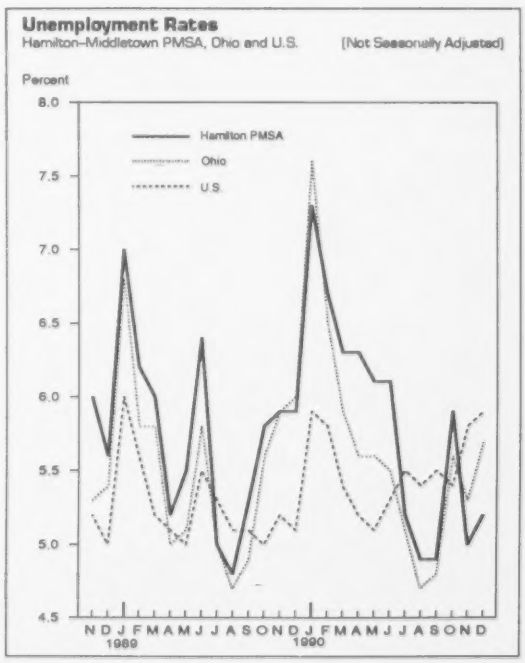
Hamilton-Middletown Primary Metropolitan Statistical Area



In the Hamilton-Middletown metropolitan area, nonagricultural payroll employment totaled 95,000 in January 1991, down 2,800 from the December 1990 level. Employment in service-producing industries fell 2,000 over the month due to seasonal decreases in retail trade, state and local schools and colleges, and services. Reductions in construction and mining lowered employment in the goods-producing sector 800 to 26,100. Manufacturing employment increased 100 as the return of employees from a labor-management dispute in industrial machinery and equipment overshadowed declines in primary metal industries and fabricated metal products. Factory production workers averaged $14.50 per hour, up 9 cents from December. Their average workweek of 45.4 hours was 0.4 hours shorter.

Nonfarm wage and salary employment advanced 1,400 between January 1990 and January 1991. The workforce in the service-producing sector increased 2,200 over the year. Noteworthy gains were posted in local and state government, services, and retail trade. Production cutbacks in manufacturing, especially paper and allied products, and declines in construction and mining reduced employment in goods-producing industries 800.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	133.3	132.9	132.3	.4	1.0
Employment	126.4	126.2	124.4	.1	1.9
Unemployment	7.0	6.7	7.9	.3	-.9
Unemployment Rate	5.2	5.0	5.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	95.0	97.8	93.6	-2.8	1.4
Goods-Producing Industries	26.1	26.8	26.8	-.8	-.8
Construction and Mining	4.9	5.7	5.2	-.9	-.3
Manufacturing	21.2	21.1	21.6	.1	-.4
Durable Goods	14.8	14.7	15.2	.1	-.4
Primary Metal Industries	6.9	7.0	6.9	-.1	.0
Fabricated Metal Products	2.4	2.5	2.5	-.1	-.1
Industrial Machinery and Equipment	2.3	2.0	2.5	.3	-.1
Nondurable Goods	6.4	6.4	6.4	.0	.0
Paper and Allied Products	4.5	4.6	4.7	.0	-.2
Paper Mills	3.3	3.3	3.5	.0	-.2
Service-Producing Industries	69.0	71.0	66.8	-2.0	2.2
Transportation and Public Utilities	3.3	3.4	3.3	-.1	.0
Wholesale Trade	5.8	5.9	5.8	.0	.0
Wholesale Trade–Durable Goods	3.9	4.0	3.9	.0	.0
Retail Trade	17.3	18.1	17.0	-.8	.3
Food Stores	3.4	3.5	3.2	-.1	.2
Finance, Insurance, and Real Estate	4.5	4.5	4.6	.0	-.1
Services	19.1	19.5	18.5	-.5	.6
Health Services	8.9	9.0	8.2	-.1	.7
Government	18.9	19.6	17.5	-.7	1.4
State Government (Includes Education)	7.4	7.9	7.1	-.4	.4
Local Government	10.8	11.0	9.9	-.2	.9
Local Government Education	7.4	7.6	6.5	-.2	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

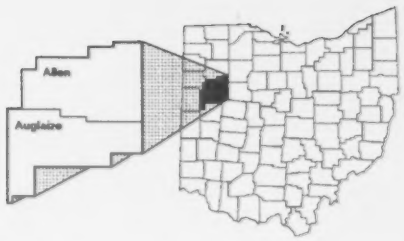
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$658.30	$659.98	$595.86	45.4	45.8	44.5	$14.50	$14.41	$13.39
Durable Goods	677.16	686.81	597.52	45.6	46.5	44.0	14.85	14.77	13.58
Primary Metal Industries	763.80	765.60	649.00	47.5	48.0	44.3	16.08	15.95	14.65
Fabricated Metal Products	564.20	539.70	498.56	43.4	42.0	41.0	13.00	12.85	12.16
Industrial Machinery and Equipment	672.59	669.71	668.93	47.6	47.7	50.6	14.13	14.04	13.22
Nondurable Goods	604.79	591.82	590.44	44.7	44.1	45.7	13.53	13.42	12.92
Paper and Allied Products	641.66	629.73	604.30	46.7	46.1	46.2	13.74	13.66	13.08
Paper Mills	635.66	630.61	622.04	45.6	45.4	46.7	13.94	13.89	13.32
Wholesale Trade	440.49	439.27	452.62	40.9	40.9	42.7	10.77	10.74	10.60
Retail Trade[f]	169.37	177.92	166.38	26.3	27.8	27.5	6.44	6.40	6.05

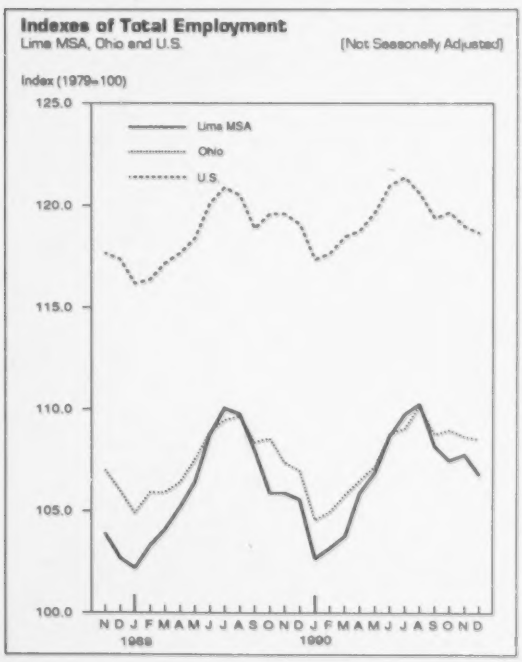
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

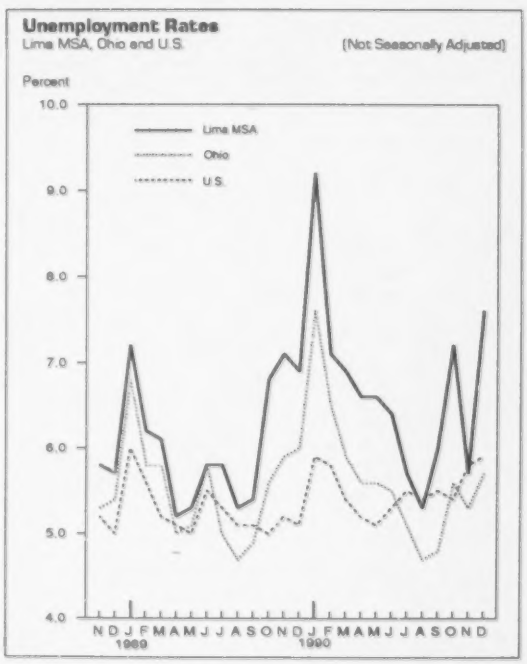
Lima Metropolitan Statistical Area



Nonfarm wage and salary employment in the Lima metropolitan area totaled 71,800 in January 1991, down 800 from the December 1990 level. Seasonal decreases in retail trade, services, and local government education lowered employment in service-producing industries 1,400. Employment in the goods-producing sector rose 500 over the month to 25,200. The return of workers from temporary shutdowns in durable-goods manufacturing, especially transportation equipment, outweighed declines in construction and mining. Factory production workers averaged $13.75 per hour, up 29 cents from December. Their average workweek was 0.1 hours shorter at 42.7 hours.

Nonagricultural payroll employment advanced 1,000 between January 1990 and January 1991. Noteworthy gains in services and local government raised employment in service-producing industries 1,000. The goods-producing sector added 100 jobs as modest growth in manufacturing more than offset reductions in construction and mining. Expansion in transportation equipment and fabricated metal products negated a decline in industrial machinery and equipment.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	79.8	79.0	78.4	.8	1.4
Employment	73.8	74.5	73.0	-.7	.8
Unemployment	6.1	4.5	5.4	1.6	.6
Unemployment Rate	7.6	5.7	6.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	71.8	72.7	70.8	-.8	1.0
Goods-Producing Industries	25.2	24.7	25.1	.5	.1
Construction and Mining	2.6	3.0	2.9	-.3	-.3
Manufacturing	22.5	21.7	22.2	.9	.4
Durable Goods	15.9	15.0	15.8	.9	.2
Fabricated Metal Products	2.6	2.6	2.4	.0	.2
Industrial Machinery and Equipment	4.0	3.9	4.2	.1	-.2
Transportation Equipment	6.7	5.9	6.4	.8	.3
Motor Vehicles and Equipment	3.5	2.7	2.9	.8	.6
Nondurable Goods	6.6	6.6	6.4	.0	.2
Food and Kindred Products	1.8	1.8	1.7	.0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.1	.0	.0
Service-Producing Industries	46.7	48.0	45.7	-1.4	1.0
Transportation and Public Utilities	3.0	3.1	2.9	-.1	.0
Wholesale Trade	3.4	3.4	3.4	.0	.0
Retail Trade	13.4	14.0	13.5	-.6	-.1
General Merchandise Stores	2.2	2.4	2.3	-.1	-.1
Finance, Insurance, and Real Estate	2.1	2.1	2.0	.0	.0
Services	15.3	15.6	14.5	-.4	.7
Health Services	6.6	6.6	6.3	.0	.3
Hospitals	3.2	3.2	3.1	.0	.1
Government	9.6	9.8	9.3	-.2	.2
Local Government	7.2	7.4	7.0	-.2	.2
Local Government Education	4.1	4.3	4.0	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

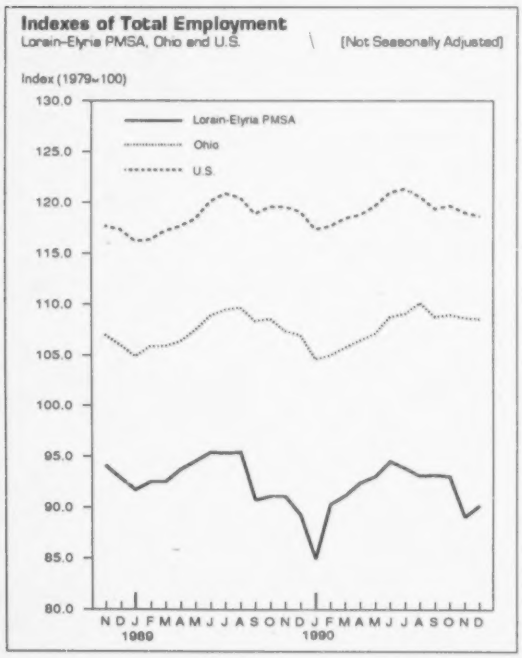
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$587.13	$576.09	$543.51	42.7	42.8	42.1	$13.75	$13.46	$12.91
Durable Goods	582.00	574.95	537.20	42.7	43.1	42.1	13.63	13.34	12.76
Fabricated Metal Products	369.56	360.45	365.92	40.7	40.5	41.3	9.08	8.90	8.86
Industrial Machinery and Equipment	499.57	518.74	466.99	41.7	42.8	41.0	11.98	12.12	11.39
Transportation Equipment	725.33	729.27	668.13	43.2	43.8	42.1	16.79	16.65	15.87
Motor Vehicles and Equipment	778.82	808.03	737.86	43.1	44.3	43.2	18.07	18.24	17.08
Nondurable Goods	601.77	577.92	562.95	42.8	42.0	42.2	14.06	13.76	13.34
Food and Kindred Products	392.97	409.84	378.82	42.3	43.6	40.3	9.29	9.40	9.40
Rubber and Miscellaneous Plastics Products	625.22	605.87	572.76	43.6	43.0	44.4	14.34	14.09	12.90
Wholesale Trade	368.63	373.84	367.87	38.2	38.7	38.4	9.65	9.66	9.58
Retail Trade[j]	183.23	191.85	188.78	28.9	30.5	30.4	6.34	6.29	6.21
General Merchandise Stores	177.19	205.73	169.46	27.6	31.7	27.2	6.42	6.49	6.23

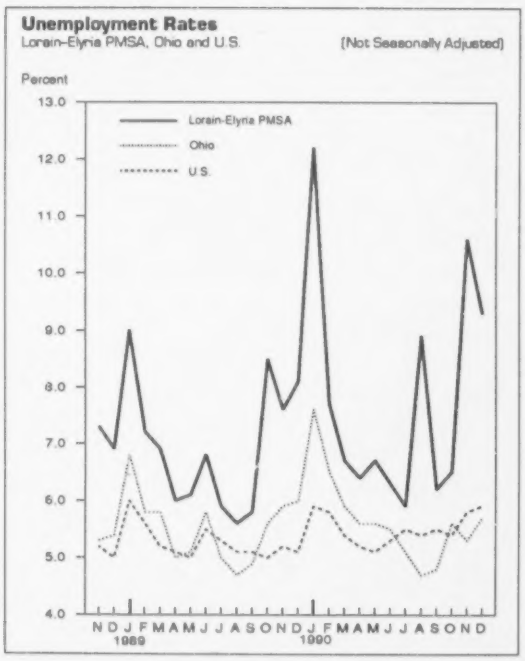
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

Lorain-Elyria
Primary Metropolitan Statistical Area

Nonagricultural payroll employment in the Lorain-Elyria metropolitan area fell 5,200 below the December 1990 level to 86,700 in January 1991. Temporary production cutbacks in durable-goods manufacturing, especially transportation equipment, and less business in construction and mining lowered employment in goods-producing industries 3,300 to 27,600. The service-producing sector lost 1,900 jobs primarily due to seasonal layoffs in retail trade and services. Manufacturing production workers averaged $12.64 per hour, down 68 cents from December. Their average workweek was 0.3 hours shorter at 42.7 hours.

Nonfarm wage and salary employment advanced 1,100 between January 1990 and January 1991. Employment in the goods-producing sector increased 800 above the year-ago level as modest gains in manufacturing outweighed slight declines in construction and mining. Temporary shutdowns in durable-goods manufacturing, especially transportation equipment, lowered employment in manufacturing significantly in January 1990. The workforce in service-producing industries rose 300 over the year chiefly due to growth in government. Employment in retail trade, finance, insurance, and real estate, and services declined slightly during the period.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	118.7	118.9	115.9	-.2	2.8
Employment	107.6	106.3	106.5	1.3	1.2
Unemployment	11.1	12.6	9.4	-1.5	1.6
Unemployment Rate	9.3	10.6	8.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	86.7	91.8	85.6	-5.2	1.1
Goods–Producing Industries	27.6	30.8	26.8	-3.3	.8
Construction and Mining	4.1	4.4	4.3	-.4	-.2
Manufacturing	23.5	26.4	22.6	-2.9	1.0
Durable Goods	18.7	21.6	18.1	-2.9	.6
Primary Metal Industries	4.5	4.5	4.3	.0	.2
Fabricated Metal Products	3.9	3.9	4.1	.0	-.2
Transportation Equipment	2.8	5.6	2.3	-2.8	.5
Nondurable Goods	4.8	4.8	4.5	0	.3
Service–Producing Industries	59.1	61.0	58.8	-1.9	.3
Transportation and Public Utilities	3.2	3.3	3.1	-.1	.1
Wholesale Trade	2.5	2.6	2.5	-.1	.1
Retail Trade	16.0	17.0	16.2	-1.0	-.1
Finance, Insurance, and Real Estate	2.9	3.0	3.1	-.1	-.1
Services	20.3	20.8	20.4	-.5	-.1
Health Services	8.2	8.3	8.2	.0	.1
Hospitals	3.8	3.8	3.9	.0	-.1
Government	14.1	14.3	13.6	-.2	.5
Local Government	11.9	12.1	11.6	-.2	.3
Local Government Education	7.8	8.0	7.5	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

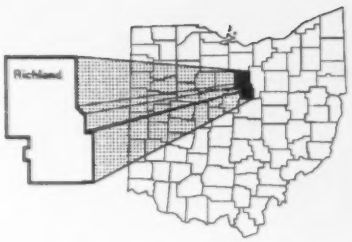
Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$539.73	$572.76	$509.92	42.7	43.0	42.6	$12.64	$13.32	$11.97
Durable Goods	576.85	609.33	537.79	43.8	43.9	43.3	13.17	13.88	12.42
Primary Metal Industries	713.28	715.77	611.89	48.0	48.2	43.8	14.86	14.85	13.97
Fabricated Metal Products	446.29	441.67	438.12	44.1	43.6	43.9	10.12	10.13	9.98
Transportation Equipment	706.02	698.57	803.25	41.0	40.9	45.9	17.22	17.08	17.50
Nondurable Goods	389.26	388.36	397.40	38.2	38.3	39.7	10.19	10.14	10.01
Wholesale Trade	368.77	372.28	359.48	37.9	38.3	38.0	9.73	9.72	9.46
Retail Trade[j]	161.80	169.87	155.74	25.4	26.5	25.2	6.37	6.41	6.18

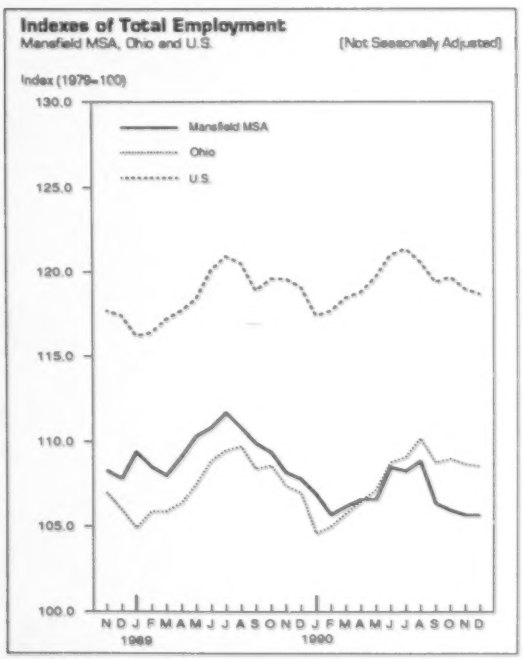
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

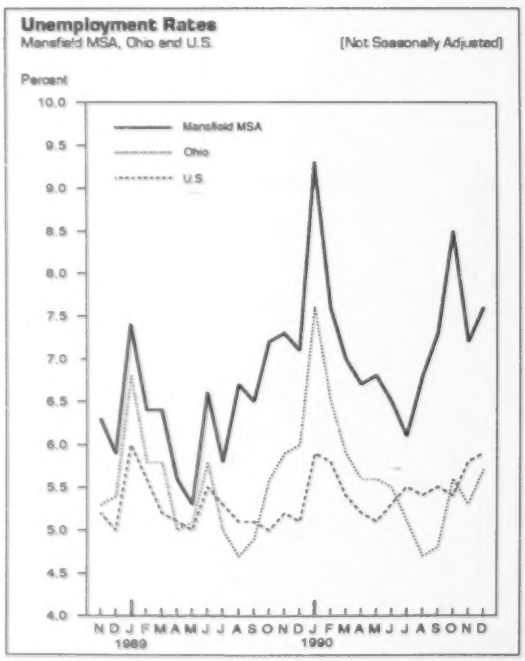
Mansfield Metropolitan Statistical Area



Nonagricultural payroll employment in the Mansfield metropolitan area totaled 56,800 in January 1991, down 2,400 from December 1990. The workforce in service-producing industries lost 1,400 jobs over the month primarily due to seasonal layoffs in retail trade. Modest declines were posted in transportation and public utilities and services. Production cutbacks in durable-goods manufacturing, particularly electronic and other electric equipment, and decreases in construction and mining lowered employment in goods-producing industries 1,100 to 18,800. Factory production workers averaged $14.10 per hour, up 25 cents from December. Their average workweek of 40.5 hours was 0.4 hours longer.

Nonfarm wage and salary employment fell 2,000 between January 1990 and January 1991. The number of employees in goods-producing industries declined 1,300 from the year-ago level due to reductions in manufacturing and in construction and mining. A decrease in electronic and other electric equipment outweighed growth in fabricated metal products. Declines in retail trade lowered employment in service-producing industries 700 during the period.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.4	64.2	65.3	.2	-1.0
Employment	59.5	59.5	60.7	-.1	-1.2
Unemployment	4.9	4.6	4.6	.3	.3
Unemployment Rate	7.6	7.2	7.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	56.8	59.2	58.8	-2.4	-2.0
Goods-Producing Industries	18.8	19.9	20.1	-1.1	-1.3
Construction and Mining	1.8	2.1	1.9	-.4	-.2
Manufacturing	17.1	17.8	18.2	-.7	-1.1
Durable Goods	15.2	15.9	16.2	-.7	-1.0
Fabricated Metal Products	5.4	5.4	5.0	-.1	.4
Electronic and Other Electric Equipment	2.4	3.0	3.5	-.6	-1.1
Nondurable Goods	1.9	1.9	2.0	.0	-.1
Service-Producing Industries	38.0	39.3	38.7	-1.4	-.7
Transportation and Public Utilities	2.9	3.1	3.0	-.2	-.1
Wholesale Trade	2.2	2.3	2.3	-.1	.0
Retail Trade	10.5	11.2	11.1	-.8	-.7
Finance, Insurance, and Real Estate	2.2	2.2	2.3	.0	.0
Services	12.7	12.9	12.6	-.2	.1
Health Services	4.5	4.5	4.3	-.1	.2
Government	7.4	7.6	7.4	-.1	.0
Local Government	5.6	5.7	5.7	-.1	.0
Local Government Education	4.0	4.1	3.8	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

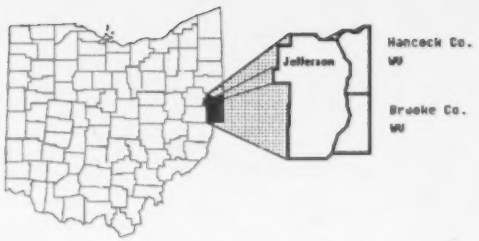
Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$571.05	$555.39	$523.58	40.5	40.1	40.4	$14.10	$13.85	$12.96
Durable Goods	586.80	572.32	539.35	40.0	39.8	40.1	14.67	14.38	13.45
Fabricated Metal Products	728.00	723.79	607.91	40.0	39.9	37.0	18.20	18.14	16.43
Electronic and Other Electric Equipment	458.81	459.41	461.92	41.9	41.5	42.3	10.95	11.07	10.92
Nondurable Goods	419.78	397.06	377.14	44.8	43.3	43.3	9.37	9.17	8.71
Wholesale Trade	319.90	337.85	335.47	39.3	39.7	39.7	8.14	8.51	8.45
Retail Trade[j]	172.98	180.76	161.99	27.5	28.2	26.6	6.29	6.41	6.09

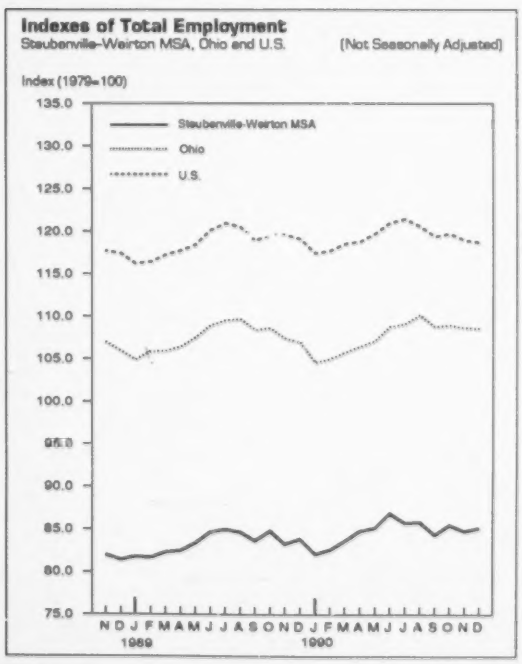
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

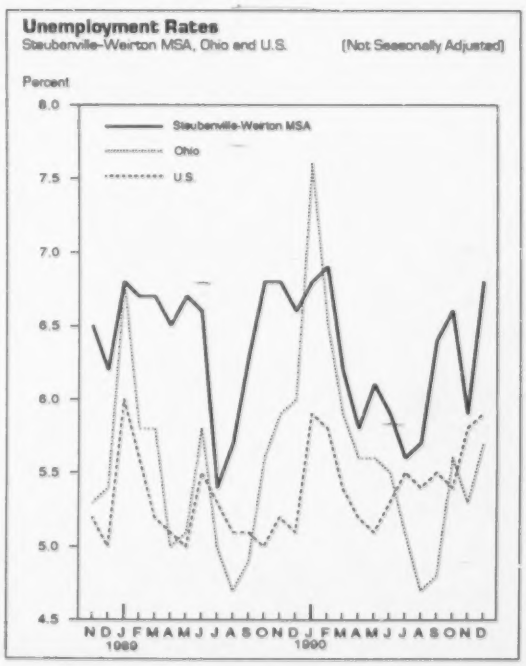
Steubenville-Weirton Metropolitan Statistical Area



Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area totaled 51,100 in January 1991, down 1,300 from the December 1990 level. The release of temporary employees in retail trade and services helped lower employment in service-producing industries 1,000. The number of jobs in goods-producing industries decreased 300 over the month to 20,200 due to seasonal declines in construction. Manufacturing production workers averaged $11.75 per hour, up fractionally from December. Their average workweek was 0.3 hours longer at 44.2 hours.

Nonfarm wage and salary employment rose 300 between January 1990 and January 1991. The improvement was concentrated in service-producing industries. Noteworthy gains were posted in services, especially health services, and government. Employment in goods-producing industries was unchanged during the period. Modest growth in construction counterbalanced declines in durable-goods manufacturing, particularly primary metal industries.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1990[b]	Nov. 1990[c]	Dec. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.9	57.1	56.9	.8	1.0
Employment	53.9	53.7	53.1	.2	.8
Unemployment	3.9	3.3	3.8	.6	.2
Unemployment Rate	6.8	5.9	6.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Total	51.1	52.4	50.8	-1.3	.3
Goods–Producing Industries	20.2	20.5	20.1	-.3	.0
Mining	.8	.9	.9	.0	.0
Construction	1.9	2.1	1.7	-.3	.2
Manufacturing	17.4	17.5	17.6	.0	-.1
Durable Goods	15.7	15.8	16.0	.0	-.2
Primary Metal Industries	12.5	12.5	12.7	.0	-.2
Nondurable Goods	1.7	1.7	1.6	.0	.1
Service–Producing Industries	30.9	31.9	30.6	-1.0	.3
Transportation and Public Utilities	3.0	3.1	3.1	-.1	-.1
Wholesale Trade	1.1	1.2	1.2	-.1	-.1
Retail Trade	8.6	9.0	8.5	-.4	.1
General Merchandise Stores	1.4	1.5	1.6	-.1	-.2
Finance, Insurance, and Real Estate	1.6	1.6	1.7	.0	.0
Services	10.3	10.6	10.1	-.3	.2
Health Services	4.9	5.0	4.6	.0	.3
Hospitals	2.3	2.4	2.4	.0	-.1
Government	6.3	6.4	6.0	-.1	.2
Local Government	5.3	5.5	5.2	-.1	.1
Local Government Education	3.5	3.5	3.4	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]
Manufacturing	$519.35	$514.51	$496.93	44.2	43.9	42.4	$11.75	$11.72	$11.72
Durable Goods	544.50	537.56	520.03	45.0	44.5	43.3	12.10	12.08	12.01
Primary Metal Industries	571.94	571.94	553.38	45.5	45.5	44.2	12.57	12.57	12.52
Nondurable Goods	232.40	242.85	189.10	35.0	36.3	31.0	6.64	6.69	6.10
Wholesale Trade	348.47	342.28	358.43	40.1	39.8	40.5	8.69	8.60	8.85
Retail Trade[f]	169.02	177.77	157.41	27.0	29.0	27.0	6.26	6.13	5.83

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	January 1991	December 1990	January 1990
New Applicants	32,863	26,834	37,843
Applicants Active This Program Year	437,191	402,429	507,849
Counseling Interviews	820	748	970
Tests Administered	642	945	1,527
General Aptitude Tests	253	444	259
Proficiency Tests	186	302	175
Specific Aptitude Tests	0	0	288
Referrals to Jobs	16,941	12,788	17,963
Placements	2,431	3,303	2,831
Job Openings Received	INA	INA	7,803
Job Openings Unfilled	19,043	16,419	14,212

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	January 1991	December 1990	January 1990
Initial Claims	156,248	131,641	126,036
Continued Claims	805,042	536,062	680,630
First Payments	74,302	44,578	60,348
Last Payments	7,176	5,570	5,988
Average Weekly Claimants	167,802	120,592	141,989
Average Weekly Benefit Recipients	135,113	96,004	113,623
Weeks Compensated	653,702	401,836	505,632
Benefits Paid	$113,545,323	$69,059,700	$83,571,684
Average Weekly Payment	$179.02	$176.02	$173.38
Continued Claims for Survey Week	162,920	123,543	163,156
Insured Unemployment Rate	3.6	2.6	3.1
Net Contributions	$19,840,313	$3,737,498	$21,630,811
Active Employer Accounts	207,729	207,701	206,158

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LABOR MARKET INFORMATION DIVISION
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Labor Market Review

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Ohio Labor Market Information

Labor Market Review

February 1991

Summary. The seasonally adjusted unemployment rate in Ohio reached its highest level since March 1988, rising from 5.9 percent in January to 7.0 percent in February 1991. The U.S. rate increased from 6.2 percent to 6.5 percent over the month. Total employment in Ohio declined 58,000 from January to 5,007,000 in February. There were 377,000 unemployed Ohioans in February, up 59,000 from January. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,913,000 in February, was virtually unchanged from January. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries dropped 8,000 from January to 1,304,000 in February. Manufacturing employment totaled 1,084,000 in February, down 11,000 from January. Most of the loss occurred in durable-goods industries, especially primary metal industries and fabricated metal products. Smaller declines were noted in industrial machinery and equipment, rubber and miscellaneous plastics products, and transportation equipment. Scattered gains advanced construction employment 3,000 to 203,000. Employment in mining was unchanged at 17,000.

Service-Producing Industries. There were 3,610,000 people employed in service-producing industries in February, up 7,000 from January. Most of the gain was in services which rose 4,000. Government was up 2,000; retail trade and finance, insurance, and real estate each added 1,000 jobs. Employment in wholesale trade was on par with January, but transportation and public utilities slipped 1,000.

Over the Year. Ohio's unemployment rate increased from 5.8 percent in February 1990 to 7.0 percent in February 1991. The national rate rose from 5.3 percent to 6.5 percent during the same period. Total employment in Ohio was down 66,000 from February 1990, while total unemployment was 64,000 higher. Nonfarm payroll employment increased 39,000 over the year. Services added 49,000 jobs and government increased 11,000. All other service-producing industries had small gains over the year. Manufacturing employment was down 31,000 from February 1990. Employment in most durable-goods industries was substantially lower than in February 1990. The hardest hit were transportation equipment (-12,000), fabricated metal products (-6,000), and industrial machinery and equipment (-5,000). Mining and construction employment declined fractionally over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of $529.51 in February, down $10.19 from January. Their average workweek of 41.4 hours was 0.6 hours shorter. Most manufacturing industries had lower earnings due to less overtime. The most significant were motor vehicles and equipment, blast furnace and basic steel products, and iron and steel foundries.

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

Benefits and Costs. There were 102,746 initial claims filed under the Ohio Unemployment Compensation Law in February, down 34.2 percent from January, but up 39.0 percent from February 1990. Total benefits paid rose 1.9 percent to $115.7 million. The average weekly benefit check of $180.63 was $1.61 higher than in January. The average weekly number of benefit recipients, at 158,338, increased 17.2 percent. At the end of February, there were 208,355 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 28,223 new job applicants in February, down 14.1 percent from January, and down 12.7 percent from February 1990. The Employment Services Division made 14,041 job referrals in February, down 17.1 percent over the month. There were 2,432 total placements made, virtually unchanged from January.

Collection Method Alternatives
For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

In This Issue

Summary 1
Seasonally Adjusted Series
  Current Data 3
  Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
  Historical Data 7
  Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1991	Jan. 1991	Feb. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,384	5,383	5,386	1	-2	.0	.0
Employment	5,007	5,065	5,073	-58	-66	-1.1	-1.3
Unemployment	377	318	313	59	64	18.6	20.4
Unemployment Rate	7.0	5.9	5.8				
Employer Survey Data[e]							
Total	4,913	4,914	4,874	0	39	.0	.8
Goods–Producing Industries	1,304	1,312	1,337	-8	-33	-.6	-2.5
Mining	17	17	18	0	-1	.3	-2.8
Coal Mining	7	7	7	0	0	-1.1	-3.8
Oil and Gas Extraction	6	6	6	0	0	-.8	-2.5
Construction	203	200	205	3	-2	1.6	-1.0
General Building Contractors	49	48	50	1	-1	1.9	-1.5
Heavy Construction, Except Building	25	24	24	1	0	3.2	1.9
Special Trade Contractors	129	127	131	2	-2	1.2	-1.3
Manufacturing	1,084	1,095	1,115	-11	-31	-1.0	-2.8
Durable Goods	715	723	749	-8	-33	-1.1	-4.5
Lumber and Wood Products	21	21	22	0	0	-1.7	-2.0
Furniture and Fixtures	15	15	15	0	0	.8	2.2
Stone, Clay, and Glass Products	44	44	46	0	-2	.4	-4.3
Primary Metal Industries	97	100	100	-3	-3	-2.9	-2.8
Fabricated Metal Products	125	128	131	-3	-6	-2.0	-4.8
Industrial Machinery and Equipment	162	164	167	-2	-5	-.9	-2.9
Electronic and Other Electric Equipment	76	76	80	0	-4	.1	-5.1
Transportation Equipment	133	134	145	-1	-12	-.7	-8.2
Instruments and Related Products	26	26	27	0	-1	.8	-2.8
Nondurable Goods	368	372	366	-3	3	-.8	.7
Food and Kindred Products	64	64	61	0	3	-.1	4.1
Apparel and Other Textile Products	14	15	15	0	0	-2.5	-3.1
Paper and Allied Products	38	38	37	0	1	-.3	2.2
Printing and Publishing	76	76	74	0	2	-.2	2.2
Chemicals and Allied Products	67	67	66	0	1	.1	1.7
Rubber and Misc. Plastics Products	90	92	93	-2	-3	-2.5	-3.4
Service–Producing Industries	3,610	3,602	3,537	7	73	.2	2.1
Transportation and Public Utilities	222	223	220	-1	2	-.3	1.0
Transportation	130	130	127	0	2	-.3	1.9
Communications, Electric, Gas Services	92	93	93	0	0	-.2	-.1

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1991	Jan. 1991	Feb. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	264	265	260	0	4	-.1	1.6
Wholesale Trade-Durable Goods	165	165	163	0	2	-.1	1.0
Wholesale Trade-Nondurable Goods	100	100	97	0	3	.0	2.7
Retail Trade	914	913	911	1	3	.1	.3
Building Materials and Garden Supplies	35	35	34	0	1	.8	2.1
General Merchandise Stores	122	124	126	-2	-3	-1.3	-2.7
Food Stores	141	141	140	0	1	-.1	.5
Automotive Dealers and Service Stations	98	98	99	0	-1	.1	-.9
Apparel and Accessory Stores	49	49	50	0	0	-.1	-.9
Furniture and Homefurnishings Stores	31	31	31	0	0	-.2	.8
Eating and Drinking Places	318	316	315	2	3	.6	1.0
Miscellaneous Retail	119	119	116	0	3	.1	2.6
Finance, Insurance, and Real Estate	257	256	254	1	3	.3	1.2
Finance	121	121	121	0	1	.1	.5
Depository Institutions	90	90	90	0	0	-.1	-.3
Insurance	91	91	90	0	1	.2	1.1
Real Estate	45	44	43	0	1	.9	3.4
Services	1,224	1,219	1,174	4	49	.4	4.2
Hotels and Other Lodging Places	41	41	40	0	1	.6	2.7
Personal Services	56	55	55	0	1	.7	1.1
Business Services	224	223	208	1	16	.6	7.7
Amusements, Including Motion Pictures	64	64	61	0	3	-.1	4.7
Health Services	405	404	392	1	13	.2	3.3
Legal Services	30	30	29	0	1	.4	3.5
Educational Services	64	65	62	-1	2	-1.3	2.5
Social Services	82	82	78	0	4	.5	5.3
Membership Organizations	79	79	78	0	1	.1	.9
Engineering and Management Services	94	93	90	0	4	.5	4.1
Government	729	726	718	2	11	.3	1.5
Federal Government	95	95	97	0	-2	.3	-2.3
State Government	165	163	163	2	2	1.3	1.4
State Government Education	87	85	85	2	1	1.8	1.6
Local Government	469	469	459	0	11	.0	2.3
Local Government Education	272	272	265	0	7	.1	2.6

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,396	5,118	278	5.2	5.2	February
5,409	5,117	292	5.4	5.1	March
5,375	5,095	280	5.2	5.2	April
5,410	5,121	289	5.3	5.2	May
5,447	5,138	309	5.7	5.4	June
5,428	5,130	298	5.5	5.3	July
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January
5,384	5,007	377	7.0	6.5	February

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

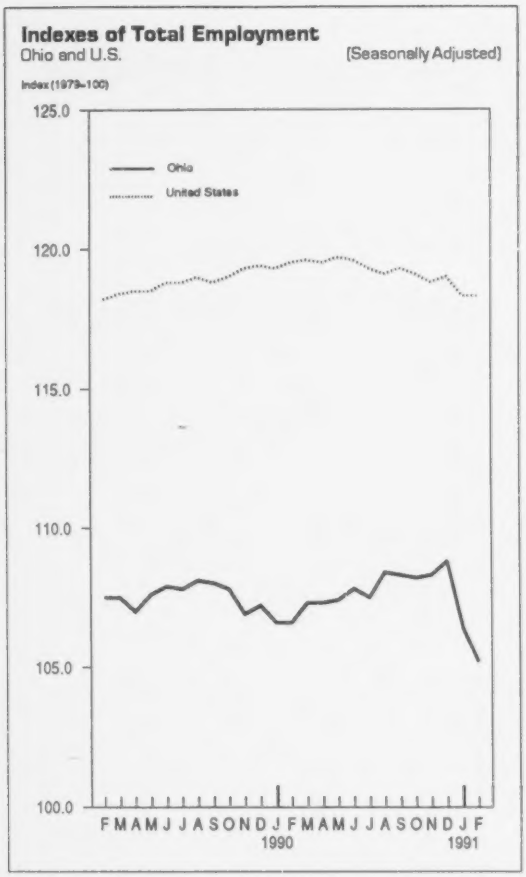
Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,792	1,336	18	193	1,125	April
4,797	1,333	18	190	1,125	May
4,814	1,337	18	192	1,127	June
4,818	1,331	16	194	1,120	July
4,835	1,338	18	196	1,124	August
4,837	1,334	18	196	1,120	September
4,830	1,323	18	193	1,112	October
4,844	1,331	18	196	1,118	November
4,849	1,326	18	195	1,114	December
					1990
4,835	1,310	18	199	1,094	January
4,874	1,337	18	205	1,115	February
4,892	1,339	18	205	1,116	March
4,874	1,333	18	200	1,115	April
4,893	1,333	18	197	1,118	May
4,905	1,336	18	197	1,121	June
4,906	1,329	18	196	1,115	July
4,916	1,332	18	197	1,117	August
4,914	1,329	17	197	1,114	September
4,922	1,330	17	196	1,117	October
4,913	1,317	17	198	1,102	November
4,909	1,312	17	197	1,097	December
					1991
4,914	1,312	17	200	1,095	January
4,913	1,304	17	203	1,084	February

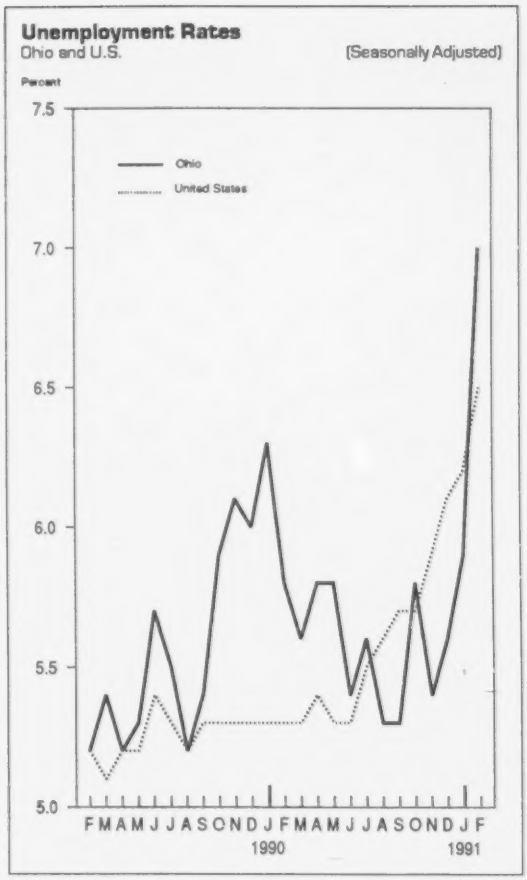
Service–Producing Employment

(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	260	895	251	April	1,132	702
3,464	215	May	261	895	251	May	1,135	706
3,477	216	June	261	899	252	June	1,141	708
3,487	216	July	262	901	252	July	1,149	707
3,497	217	August	262	902	253	August	1,156	707
3,504	218	September	261	903	254	September	1,161	708
3,507	217	October	260	902	254	October	1,164	711
3,513	218	November	260	905	254	November	1,166	710
3,523	219	December	260	909	254	December	1,169	712
		1990				1990		
3,525	220	January	260	909	253	January	1,170	713
3,537	220	February	260	911	254	February	1,174	718
3,552	221	March	261	914	255	March	1,181	720
3,541	219	April	262	906	254	April	1,179	721
3,560	220	May	262	907	254	May	1,185	731
3,570	219	June	263	911	255	June	1,194	727
3,577	219	July	264	911	255	July	1,199	728
3,584	219	August	264	913	255	August	1,206	726
3,585	220	September	264	912	255	September	1,209	725
3,592	220	October	264	911	256	October	1,214	727
3,596	220	November	264	912	256	November	1,216	728
3,597	221	December	265	912	256	December	1,220	725
		1991				1991		
3,602	223	January	265	913	256	January	1,219	726
3,610	222	February	264	914	257	February	1,224	729

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
F M A M J J A S O N D J F M A M J J A S O N D J F
1990
1991


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
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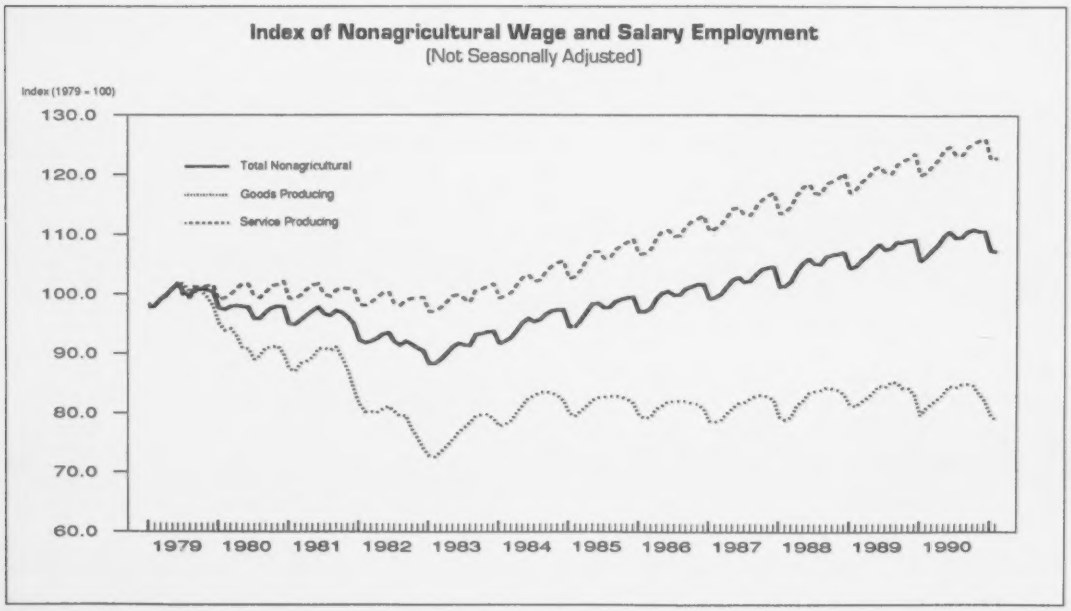
7.0
6.5
6.0
5.5
5.0
Ohio
United States
F M A M J J A S O N D J F M A M J J A S O N D J F
1990
1991


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
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120.0
110.0
100.0
90.0
80.0
70.0
60.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
					1990
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
					1991
5,357	4,968	389	7.3	7.0	January
5,341	4,932	409	7.7	7.2	February

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
					1990
4,770.5	1,292.8	17.0	170.7	1,105.1	February
4,819.8	1,305.5	17.2	178.6	1,109.7	March
4,859.9	1,317.5	17.4	188.4	1,111.7	April
4,925.3	1,334.0	17.6	199.1	1,117.2	May
4,956.0	1,352.0	17.9	207.4	1,126.7	June
4,912.3	1,347.3	18.0	214.5	1,114.8	July
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
					1991
4,814.5	1,274.5	16.7	172.2	1,085.6	January
4,808.5	1,259.7	16.5	169.0	1,074.3	February

Service-Producing Employment

(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
		1990				1990		
3,477.7	214.5	February	257.5	878.0	251.1	February	1,146.7	730.0
3,514.3	216.1	March	259.2	886.9	252.3	March	1,161.5	738.3
3,542.4	217.1	April	260.9	896.7	252.6	April	1,178.9	736.1
3,591.3	219.6	May	262.5	910.4	254.2	May	1,194.3	750.3
3,604.0	221.1	June	264.6	920.0	257.3	June	1,214.9	726.1
3,565.0	221.3	July	265.6	917.8	258.5	July	1,217.6	684.2
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
		1991				1991		
3,540.0	217.5	January	262.1	893.0	253.7	January	1,184.3	729.3
3,548.8	216.7	February	261.7	880.9	254.1	February	1,194.5	740.9

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,264.3	880.3	384.1	1980	867.8	$301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,122.6	754.7	367.9	1989	770.4	403.3	32.9
1,111.7	743.3	368.5	1990	757.3	405.9	32.1
			1990			
1,105.1	743.5	361.6	February	755.0	391.6	31.6
1,109.7	746.4	363.3	March	758.3	401.3	32.1
1,111.7	748.1	363.6	April	760.7	393.3	31.6
1,117.2	750.7	366.4	May	763.9	414.2	32.7
1,126.7	756.0	370.7	June	770.6	422.2	33.1
1,114.8	745.0	369.9	July	757.4	403.0	32.0
1,120.5	748.4	372.2	August	763.2	409.7	32.4
1,123.2	748.0	375.2	September	766.3	426.7	33.1
1,121.3	746.9	374.4	October	765.0	418.7	32.6
1,106.1	734.4	371.7	November	749.8	410.8	32.0
1,099.9	729.8	370.1	December	743.7	403.9	31.5
			1991			
1,085.6	718.1	367.5	January	731.1	394.6	30.7
1,074.3	710.3	364.0	February	720.4	381.5	29.8

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$347.94	$358.57	$319.99	1980	40.6	40.7	40.2	1980	$ 8.57	$ 8.81	$ 7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
535.94	556.38	492.74	1990	42.4	42.7	41.9	1990	12.64	13.03	11.76
			1990				1990			
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84
547.41	571.43	496.78	October	42.6	42.9	42.1	October	12.85	13.32	11.80
547.84	568.43	503.37	November	42.7	42.9	42.3	November	12.83	13.25	11.90
543.13	562.22	501.06	December	42.3	42.4	42.0	December	12.84	13.26	11.93
			1991				1991			
539.70	559.99	497.90	January	42.0	42.2	41.7	January	12.85	13.27	11.94
529.51	545.73	494.81	February	41.4	41.5	41.2	February	12.79	13.15	12.01

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.4	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
44.6	99.6	130.3	February	166.3	80.1	145.5	February	59.4	73.9	92.9
45.4	99.8	130.6	March	166.3	80.2	145.4	March	60.1	74.2	93.1
46.1	99.3	131.5	April	165.8	80.1	146.7	April	60.3	74.3	93.7
46.0	100.3	132.4	May	166.0	79.8	147.1	May	61.0	74.5	94.5
46.5	101.7	133.4	June	166.7	79.7	148.7	June	61.8	75.3	95.7
46.2	99.4	132.0	July	166.3	79.4	142.4	July	61.9	75.7	93.8
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.6	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	78.6	147.0	October	64.3	75.9	95.4
45.4	99.8	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	126.8	January	163.1	76.2	134.3	January	62.5	75.7	91.9
42.7	96.8	124.1	February	161.4	76.1	133.5	February	61.9	75.5	89.7

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.32	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.39	479.83	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
488.31	650.32	518.32	January	548.70	475.69	724.55	January	482.89	479.50	449.90
486.72	619.91	506.72	February	535.51	468.79	705.60	February	474.37	487.15	442.49

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	4808.5	4814.5	4770.5	-6.0	38.0
Goods-Producing Industries	1259.7	1274.5	1292.8	-14.8	-33.1
Mining	16.5	16.7	17.0	-.2	-.5
Coal Mining	6.6	6.7	6.9	-.1	-.3
Oil and Gas Extraction	5.6	5.8	5.7	-.2	-.1
Construction	169.0	172.2	170.7	-3.2	-1.8
General Building Contractors	42.7	43.5	43.4	-.8	-.6
Nonresidential Building Construction	22.3	22.8	22.9	-.6	-.6
Heavy Construction, Except Building	16.3	16.5	16.0	-.2	.3
Highway and Street Construction	4.3	4.1	4.1	.2	.3
Special Trade Contractors	109.9	112.2	111.3	-2.3	-1.4
Manufacturing	1074.3	1085.6	1105.1	-11.3	-30.8
Durable Goods[f]	710.3	718.1	743.5	-7.8	-33.2
Lumber and Wood Products	20.1	20.5	20.5	-.3	-.4
Millwork, Plywood and Structural Members	9.3	9.4	9.2	-.2	.1
Furniture and Fixtures	15.1	14.9	14.8	.2	.3
Stone, Clay, and Glass Products	42.7	42.7	44.6	.0	-1.9
Primary Metal Industries	96.8	99.2	99.6	-2.4	-2.8
Blast Furnace and Basic Steel Products	46.5	46.7	46.1	-.2	.4
Iron and Steel Foundries	17.5	19.7	19.9	-2.2	-2.5
Nonferrous Rolling and Drawing	15.5	15.2	16.0	.3	-.5
Nonferrous Foundries	10.0	10.1	10.5	-.1	-.5
Fabricated Metal Products	124.1	126.8	130.3	-2.7	-6.2
Fabricated Structural Metal Products	28.7	29.0	28.3	-.3	.3
Metal Forgings and Stampings	34.0	35.9	37.3	-1.8	-3.3
Industrial Machinery and Equipment	161.4	163.1	166.3	-1.7	-4.9
Construction and Related Machinery	12.1	12.5	14.0	-.3	-1.8
Metalworking Machinery	47.4	47.9	48.1	-.5	-.7
Special Industry Machinery	15.9	16.0	16.8	-.1	-.8
General Industrial Machinery	25.7	26.1	26.2	-.4	-.5
Computer and Office Equipment	10.7	10.7	11.1	.1	-.4
Refrigeration and Service Machinery	15.0	15.1	15.8	-.1	-.8
Electronic and Other Electric Equipment	76.1	76.2	80.1	-.2	-4.1
Electrical Industrial Apparatus	12.0	12.3	12.5	-.3	-.5
Household Appliances	14.4	14.3	15.8	.0	-1.5
Electric Lighting and Wiring Equipment	15.8	15.7	16.4	.1	-.6
Electronic Components and Accessories	11.2	11.2	11.8	.0	-.6
Transportation Equipment	133.5	134.3	145.5	-.7	-12.0
Motor Vehicles and Equipment	89.9	90.2	99.3	-.3	-9.4
Aircraft and Parts	36.2	36.4	37.7	-.3	-1.5
Instruments and Related Products	26.0	25.9	26.7	.0	-.7
Measuring and Controlling Devices	15.0	15.1	15.9	-.1	-.9
Nondurable Goods[g]	364.0	367.5	361.6	-3.5	2.4
Food and Kindred Products	61.9	62.5	59.4	-.6	2.4
Dairy Products	10.3	10.2	9.5	.1	.8
Preserved Fruits and Vegetables	10.6	10.9	10.2	-.2	.4
Bakery Products	9.6	9.7	8.8	-.1	.8
Apparel and Other Textile Products	14.2	14.5	14.6	-.4	-.5
Paper and Allied Products	38.0	38.1	37.2	-.1	.8
Paperboard Containers and Boxes	14.0	13.9	13.4	.1	.5
Miscellaneous Converted Paper Products	12.2	12.2	12.0	.1	.3
Printing and Publishing	75.5	75.7	73.9	-.2	1.6
Newspapers	18.8	19.0	18.9	-.2	.0
Commercial Printing	28.0	28.0	27.0	.1	1.0
Chemicals and Allied Products	66.4	66.2	65.3	.2	1.1
Plastics Materials and Synthetics	9.7	9.6	9.6	.0	.1
Rubber and Miscellaneous Plastics Products	89.7	91.9	92.9	-2.2	-3.2
Tires and Inner Tubes	14.8	14.8	14.6	-.1	.1
Miscellaneous Plastics Products	54.5	56.5	56.5	-2.0	-1.9
Service-Producing Industries	3548.8	3540.0	3477.7	8.8	71.1
Transportation and Public Utilities	216.7	217.5	214.5	-.8	2.2
Transportation	125.0	125.6	122.7	-.6	2.3
Railroad Transportation	11.3	11.5	11.9	-.2	-.6
Trucking and Warehousing	73.8	73.9	72.9	-.1	.9
Transportation by Air	15.3	15.3	14.0	.0	1.3
Communications, Electric, Gas Services	91.7	92.0	91.8	-.2	-.1
Communications	48.3	48.5	48.6	-.1	-.2
Electric, Gas, and Sanitary Services	43.4	43.5	43.3	-.1	.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Wholesale Trade	261.7	262.1	257.5	-.5	4.2
Wholesale Trade-Durable Goods	163.1	163.2	161.5	-.2	1.6
Motor Vehicles, Parts, and Supplies	21.8	21.9	21.8	-.1	.0
Professional and Commercial Equipment	32.0	32.0	32.0	.1	.0
Metals and Minerals, Except Petroleum	11.1	11.1	10.9	.0	.2
Electrical Goods	17.4	17.4	17.9	.0	-.5
Hardware, Plumbing and Heating Equipment	12.2	12.2	12.4	.0	-.2
Machinery, Equipment, and Supplies	40.7	40.6	39.7	.1	1.0
Wholesale Trade-Nondurable Goods	98.6	98.9	96.0	-.3	2.6
Groceries and Related Products	33.7	33.9	32.1	-.2	1.6
Retail Trade	880.9	893.0	878.0	-12.1	2.9
Building Materials and Garden Supplies	31.7	31.8	31.1	-.1	.6
Lumber and Other Building Materials	16.4	16.4	16.0	.0	.4
General Merchandise Stores	118.6	125.8	121.9	-7.2	-3.3
Department Stores	99.5	105.4	101.8	-5.9	-2.3
Variety Stores	9.4	9.7	9.8	-.3	-.4
Food Stores	137.9	139.1	137.2	-1.2	.7
Grocery Stores	122.9	123.8	122.2	-.9	.7
Automotive Dealers and Service Stations	96.4	96.5	97.2	-.2	-.8
New and Used Car Dealers	40.7	40.7	41.7	.0	-1.0
Gasoline Service Stations	35.1	35.3	35.0	-.2	.0
Apparel and Accessory Stores	48.0	49.8	48.4	-1.8	-.5
Furniture and Homefurnishings Stores	30.9	31.6	30.7	-.7	.3
Eating and Drinking Places	300.9	300.0	298.0	.9	3.0
Miscellaneous Retail	116.5	118.3	113.6	-1.9	2.9
Drug Stores and Proprietary Stores	31.1	31.3	30.6	-.2	.6
Nonstore Retailers	23.2	23.4	21.9	-.2	1.2
Finance, Insurance, and Real Estate	254.1	253.7	251.1	.4	3.0
Finance	120.7	120.7	120.1	.0	.6
Depository Institutions	89.1	89.3	89.4	-.2	-.3
Commercial Banks	63.8	63.9	63.1	-.1	.8
Insurance	90.7	90.5	89.7	.2	1.0
Insurance Carriers	68.9	68.9	68.3	.1	.6
Life Insurance	25.5	25.4	25.0	.1	.5
Fire, Marine, and Casualty Insurance	30.6	30.6	30.3	.0	.3
Real Estate	42.7	42.4	41.3	.3	1.4
Services	1194.5	1184.3	1146.7	10.1	47.8
Hotels and Other Lodging Places	38.5	38.0	37.5	.5	1.0
Personal Services	56.4	55.9	55.8	.6	.6
Business Services	218.1	216.9	202.5	1.2	15.6
Services to Buildings	33.7	33.2	33.0	.5	.8
Personnel Supply Services	72.1	71.7	66.0	.4	6.2
Computer and Data Processing Services	29.2	29.0	26.3	.2	2.9
Amusements, Including Motion Pictures	48.6	48.1	46.4	.5	2.2
Health Services	402.4	401.6	389.6	.8	12.7
Nursing and Personal Care Facilities	86.4	86.0	84.2	.3	2.2
Hospitals	192.9	192.9	189.0	.0	3.8
Legal Services	29.4	29.3	28.4	.1	1.0
Educational Services	69.7	66.0	68.0	3.7	1.7
Colleges and Universities	40.8	37.6	39.5	3.2	1.3
Social Services	82.1	81.6	77.9	.5	4.1
Residential Care	24.0	23.9	22.7	.1	1.4
Membership Organizations	77.8	77.3	77.1	.6	.7
Engineering and Management Services	92.7	91.9	89.0	.8	3.6
Engineering and Architectural Services	29.0	28.9	27.5	.1	1.5
Accounting, Auditing, and Bookkeeping	22.4	22.0	21.8	.4	.6
Research and Testing Services	19.0	18.9	18.8	.0	.1
Management and Public Relations	22.3	22.1	20.9	.2	1.4
Government	740.9	729.3	730.0	11.6	11.0
Federal Government	94.2	94.3	96.5	.0	-2.2
U.S. Postal Service	33.2	33.2	33.9	.0	-.8
State Government	169.6	162.6	167.3	6.9	2.3
State Government Hospitals	15.5	15.4	15.9	.0	-.5
State Government Education[h]	92.9	86.0	91.5	7.0	1.4
Local Government	477.1	472.4	466.2	4.7	10.9
Local Government Hospitals	14.3	14.3	14.1	.0	.3
Local Government Education	284.2	278.8	277.1	5.4	7.1

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Goods-Producing Industries	$540.19	$552.86	$531.20	40.8	41.6	41.5	$13.24	$13.29	$12.80
Mining	596.09	610.85	614.88	42.7	43.2	44.3	13.96	14.14	13.88
Coal Mining	744.77	763.03	761.36	44.2	44.7	45.4	16.85	17.07	16.77
Construction	602.51	622.68	596.71	37.4	38.7	38.3	16.11	16.09	15.58
General Building Contractors	534.39	556.95	548.57	37.9	39.5	40.1	14.10	14.10	13.68
Heavy Construction, Except Building	644.84	664.14	539.78	39.2	40.3	36.3	16.45	16.48	14.87
Special Trade Contractors	616.23	638.46	620.16	36.9	38.3	38.0	16.70	16.67	16.32
Manufacturing	529.51	539.70	518.72	41.4	42.0	41.9	12.79	12.85	12.38
Durable Goods[f]	545.73	559.99	536.36	41.5	42.2	42.2	13.15	13.27	12.71
Lumber and Wood Products	305.25	303.00	313.05	37.5	37.5	38.6	8.14	8.08	8.11
Millwork, Plywood and Structural Members	346.71	340.73	340.23	39.0	38.5	40.6	8.89	8.85	8.38
Furniture and Fixtures	398.77	397.57	387.20	41.8	41.5	41.5	9.54	9.58	9.33
Stone, Clay, and Glass Products	486.72	488.31	476.86	41.6	41.7	42.2	11.70	11.71	11.30
Primary Metal Industries	619.91	650.32	601.51	42.9	44.3	42.6	14.45	14.68	14.12
Blast Furnace and Basic Steel Products	651.73	690.61	617.19	44.7	46.6	43.1	14.58	14.82	14.32
Iron and Steel Foundries	624.65	664.23	625.82	40.8	42.2	42.4	15.31	15.74	14.76
Nonferrous Rolling and Drawing	628.34	636.70	630.74	39.1	39.4	40.2	16.07	16.16	15.69
Nonferrous Foundries	466.84	467.64	449.83	44.0	44.2	42.8	10.61	10.58	10.51
Fabricated Metal Products	506.72	518.32	505.44	40.7	41.3	41.6	12.45	12.55	12.15
Fabricated Structural Metal Products	457.32	465.63	456.92	41.2	42.1	41.5	11.10	11.06	11.01
Metal Forgings and Stampings	623.70	626.60	625.19	40.5	40.4	42.1	15.40	15.51	14.85
Industrial Machinery and Equipment	535.51	548.70	532.16	42.1	42.8	43.3	12.72	12.82	12.29
Construction and Related Machinery	470.55	461.55	471.13	40.6	40.1	41.4	11.59	11.51	11.38
Metalworking Machinery	507.36	520.45	530.58	42.0	42.8	44.4	12.08	12.16	11.95
Special Industry Machinery	503.71	543.79	526.68	42.4	44.5	44.0	11.88	12.22	11.97
General Industrial Machinery	607.71	619.87	557.40	43.1	43.9	42.1	14.10	14.12	13.24
Computer and Office Equipment	504.81	491.07	462.45	42.6	41.9	41.7	11.85	11.72	11.09
Refrigeration and Service Machinery	570.78	596.01	544.64	39.5	40.6	39.9	14.45	14.68	13.65
Electronic and Other Electric Equipment	468.79	475.69	464.80	40.8	41.4	41.5	11.49	11.49	11.20
Electrical Industrial Apparatus	443.88	463.91	447.74	41.1	42.6	42.4	10.80	10.89	10.56
Household Appliances	494.86	501.43	515.81	40.2	41.0	41.8	12.31	12.23	12.34
Electric Lighting and Wiring Equipment	464.31	475.80	472.40	38.5	39.0	40.0	12.06	12.20	11.81
Electronic Components and Accessories	354.83	362.53	339.06	41.5	42.5	41.5	8.55	8.53	8.17
Transportation Equipment	705.60	724.55	683.12	42.1	43.0	43.4	16.76	16.85	15.74
Motor Vehicles and Equipment	721.05	746.03	700.35	41.8	42.9	43.5	17.25	17.39	16.10
Aircraft and Parts	681.35	682.43	675.14	44.1	44.4	44.8	15.45	15.37	15.07
Instruments and Related Products	397.40	402.19	377.67	39.7	40.3	39.3	10.01	9.98	9.61
Measuring and Controlling Devices	387.35	392.34	370.33	38.2	39.0	38.9	10.14	10.06	9.52
Nondurable Goods[g]	494.81	497.90	478.67	41.2	41.7	41.3	12.01	11.94	11.59
Food and Kindred Products	474.37	482.89	454.40	41.0	41.7	40.9	11.57	11.58	11.11
Dairy Products	502.79	511.86	491.89	42.9	43.6	43.3	11.72	11.74	11.36
Preserved Fruits and Vegetables	486.38	537.46	488.31	39.9	43.1	41.0	12.19	12.47	11.91
Bakery Products	478.65	479.79	483.73	38.2	38.2	39.2	12.53	12.56	12.34
Apparel and Other Textile Products	312.03	308.90	297.56	39.2	39.2	38.1	7.96	7.88	7.81
Paper and Allied Products	532.73	536.54	502.43	44.1	44.6	43.5	12.08	12.03	11.55
Paperboard Containers and Boxes	467.42	471.35	430.68	43.2	44.3	42.1	10.82	10.64	10.23
Miscellaneous Converted Paper Products	495.03	490.85	477.30	43.5	43.4	44.4	11.38	11.31	10.75
Printing and Publishing	487.15	479.50	471.22	39.8	39.4	39.9	12.24	12.17	11.81
Newspapers	380.90	374.03	381.29	32.5	32.3	33.3	11.72	11.58	11.45
Commercial Printing	504.90	489.09	482.89	41.9	41.1	41.7	12.05	11.90	11.58
Chemicals and Allied Products	602.93	616.03	586.28	42.4	43.2	42.3	14.22	14.26	13.86
Plastics Materials and Synthetics	681.21	699.74	662.72	43.5	44.4	43.6	15.66	15.76	15.20
Rubber and Miscellaneous Plastics Products	442.49	449.90	442.90	40.3	41.2	41.2	10.98	10.92	10.75
Tires and Inner Tubes	710.89	740.54	719.59	43.4	44.8	45.4	16.38	16.53	15.85
Miscellaneous Plastics Products	420.69	430.91	424.09	39.8	41.0	40.7	10.57	10.51	10.42
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	647.02	642.54	624.76	42.4	42.3	42.1	15.26	15.19	14.84
Communications	635.59	622.02	558.69	42.6	42.0	39.4	14.92	14.81	14.18
Electric, Gas, and Sanitary Services	661.70	667.83	702.60	42.2	42.7	45.3	15.68	15.64	15.51
Wholesale Trade	421.29	424.24	411.06	38.9	39.1	39.0	10.83	10.85	10.54
Wholesale Trade-Durable Goods	417.79	421.79	405.47	38.9	39.2	39.1	10.74	10.76	10.37
Motor Vehicles, Parts, and Supplies	336.66	351.78	352.64	38.3	39.0	38.0	8.79	9.02	9.28
Metals and Minerals, Except Petroleum	474.86	477.05	481.92	41.4	41.7	42.2	11.47	11.44	11.42
Wholesale Trade-Nondurable Goods	426.02	427.90	421.29	38.8	38.9	38.9	10.98	11.00	10.83

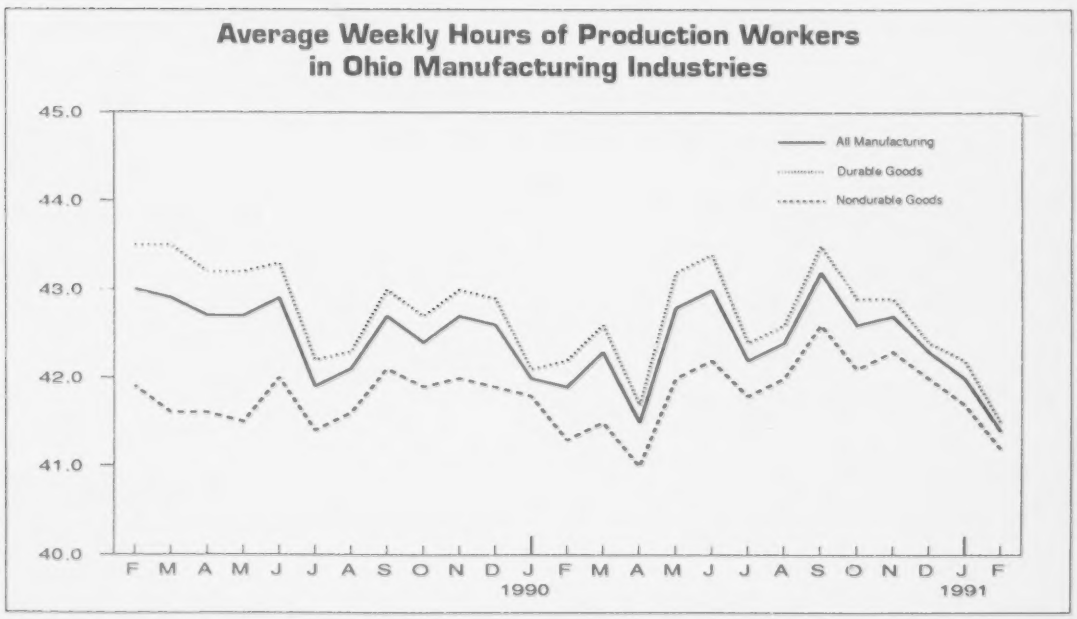
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

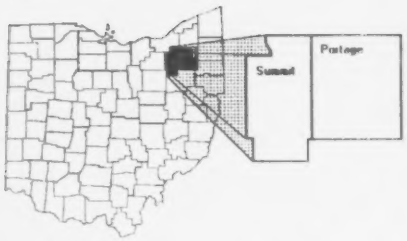
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Retail Trade[i]	$176.96	$177.62	$173.80	27.1	27.2	27.5	$ 6.53	$ 6.53	$ 6.32
General Merchandise Stores	197.96	198.95	184.92	28.0	28.1	27.6	7.07	7.08	6.70
Department Stores	202.48	202.48	188.78	28.2	28.2	27.6	7.18	7.18	6.84
Finance, Insurance, and Real Estate	360.08	356.57	352.64	....	....	....	.....	.....	.....
Finance	331.74	329.34	325.81	....	....	....	.....	.....	.....
Depository Institutions	279.29	276.79	279.61	....	....	....	.....	.....	.....
Commercial Banks	272.60	.43	278.05	....	....	....	.....	.....	.....
Insurance	428.67	.3.93	417.21	....	....	....	.....	.....	.....
Insurance Carriers	415.11	412.72	402.64	....	....	....	.....	.....	.....
Life Insurance	387.71	.99	370.75	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	452.68	451.05	435.58	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	264.14	261.03	236.52	33.1	33.0	32.4	7.98	7.91	7.30
Health Services	325.70	323.97	307.41	31.9	31.7	31.4	10.21	10.22	9.79
Nursing and Personal Care Facilities	226.02	224.06	204.39	32.9	32.1	31.3	6.87	6.98	6.53
Hospitals	379.73	377.78	362.57	32.4	32.4	32.2	11.72	11.66	11.26
Engineering and Management Services	506.55	500.51	490.82	35.9	35.7	35.8	14.11	14.02	13.71
Engineering and Architectural Services	711.74	710.34	681.03	34.4	34.6	32.9	20.69	20.53	20.70
Research and Testing Services	391.92	394.87	388.19	35.5	35.8	36.9	11.04	11.03	10.52

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.



Akron Primary Metropolitan Statistical Area

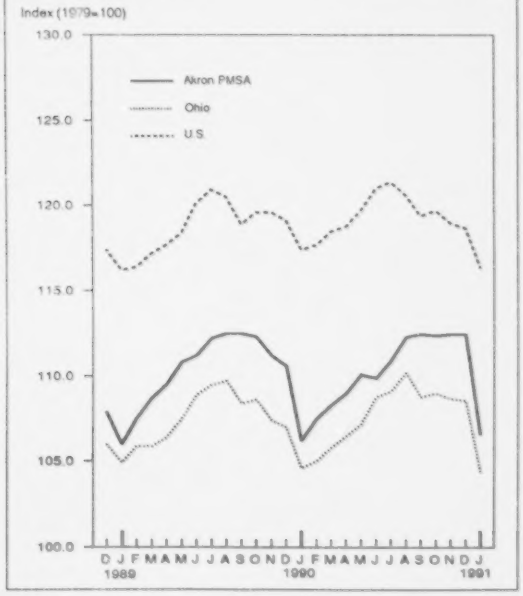


Nonagricultural payroll employment in the Akron metropolitan area rose 2,300 above the January level to 281,900 in February 1991. The return of nonteaching personnel in state schools and colleges increased employment in service-producing industries 4,300. The number of jobs in goods-producing industries declined 2,100 over the month to 74,600. Temporary layoffs in fabricated metal products helped lower manufacturing employment 1,900. Factory production workers averaged $11.67 per hour, down 26 cents from January. Their average workweek of 41.8 hours was 0.7 hours shorter.

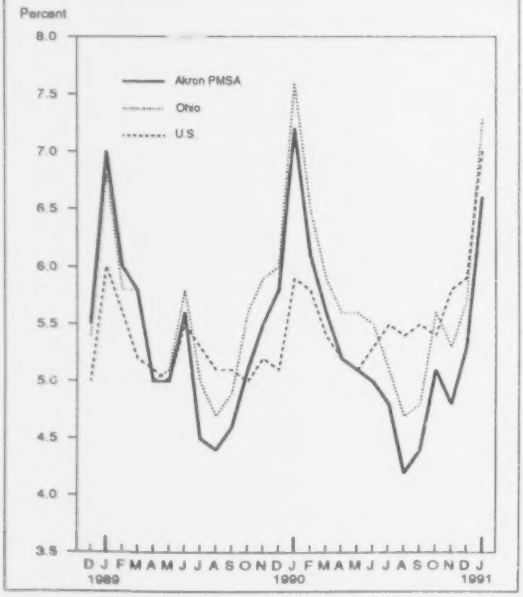
Nonfarm wage and salary employment advanced 3,100 between February 1990 and February 1991. Expansion in service-producing industries created 3,700 jobs. The leading growth industry was services, especially health services. Reductions in construction and manufacturing lowered employment in goods-producing industries 600 during the period. Current layoffs in fabricated metal products and production cutbacks in industrial machinery and equipment negated scattered gains.

Seasonally adjusted employment in the Akron area totaled 287,000 in February 1991, unchanged from January. Slight gains in government and construction offset a decline in manufacturing. Since February 1990, nonfarm payroll employment advanced 3,000 mainly due to growth in services and government.

Indexes of Total Employment
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
332.3	314.9	17.3	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
326.7	306.8	20.0	6.1	February	278.8	65.7	37.5	496.40	42.5	11.68
327.3	309.1	18.2	5.6	March	282.0	66.3	37.9	500.02	42.7	11.71
328.4	311.2	17.2	5.2	April	284.5	66.3	37.9	479.49	41.3	11.61
330.9	314.1	16.7	5.1	May	289.0	66.9	38.2	516.00	43.0	12.00
329.9	313.6	16.4	5.0	June	285.3	67.1	38.3	524.36	43.3	12.11
332.4	316.5	15.9	4.8	July	284.1	66.6	37.9	509.92	42.6	11.97
334.4	320.5	13.9	4.2	August	285.2	67.0	38.1	529.40	43.5	12.17
335.8	321.1	14.7	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
337.9	320.8	17.1	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
337.5	321.2	16.3	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
339.2	321.1	18.1	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
325.8	304.1	21.7	6.6	January	279.7	67.3	38.6	507.03	42.5	11.93
INA	INA	INA	INA	February	281.9	65.5	38.6	487.81	41.8	11.67

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	78	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
284	78	11	66	February	206	14	15	54	11	68	45
285	78	11	67	March	207	14	15	54	11	68	45
284	78	11	66	April	207	14	15	54	11	69	45
286	78	11	67	May	208	14	15	54	11	69	45
286	78	10	67	June	208	14	15	54	11	69	45
285	77	10	66	July	208	14	15	54	11	69	45
287	78	10	67	August	209	14	15	54	11	70	46
287	79	10	67	September	208	14	15	54	11	69	45
287	79	10	66	October	209	14	15	54	11	70	45
288	79	10	66	November	210	14	15	55	11	71	45
289	79	10	68	December	210	14	15	55	11	71	45
				1991							
287	79	10	68	January	208	14	15	54	11	71	44
287	77	11	66	February	210	14	15	54	11	71	46

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	281.9	279.7	278.8	2.3	3.1
Goods-Producing Industries[e]	74.6	76.7	75.2	-2.1	-.6
Construction	8.6	8.8	8.9	-.2	-.3
Manufacturing	65.5	67.3	65.7	-1.9	-.3
Durable Goods[f]	33.1	34.9	33.9	-1.9	-.8
Fabricated Metal Products	9.1	10.6	10.3	-1.5	-1.2
Fabricated Structural Metal Products	4.7	4.7	4.5	.0	.2
Industrial Machinery and Equipment	9.7	10.0	10.2	-.3	-.5
Metalworking Machinery	4.2	4.3	4.0	.0	.3
Electronic and Other Electric Equipment	2.4	2.4	2.5	.0	-.1
Transportation Equipment	4.8	4.9	4.9	.0	.0
Nondurable Goods[g]	32.4	32.4	31.9	.0	.5
Food and Kindred Products	3.3	3.2	3.0	.1	.3
Chemicals and Allied Products	3.5	3.5	3.5	.0	.0
Rubber and Miscellaneous Plastics Products	19.2	19.4	19.2	-.1	.0
Tires and Inner Tubes	10.4	10.4	10.3	.0	.1
Service-Producing Industries	207.3	203.0	203.6	4.3	3.7
Transportation and Public Utilities	13.6	13.6	13.5	.1	.1
Communications, Electric, Gas Services	5.5	5.5	5.4	.0	.1
Wholesale Trade	14.7	14.8	14.8	-.1	-.1
Retail Trade	52.4	53.1	52.6	-.6	-.1
General Merchandise Stores	5.7	6.0	6.4	-.3	-.7
Food Stores	9.0	9.0	8.5	.0	.4
Finance, Insurance, and Real Estate	10.6	10.6	10.7	.0	-.2
Finance	5.3	5.3	5.5	.0	-.2
Services	68.6	68.7	65.5	-.2	3.1
Business Services	11.8	11.8	11.1	-.1	.7
Personnel Supply Services	3.1	3.2	2.9	-.1	.2
Amusements, Including Motion Pictures	4.4	4.7	4.2	-.3	.2
Health Services	23.0	22.9	22.0	.1	1.0
Nursing and Personal Care Facilities	3.9	3.8	3.7	.1	.2
Hospitals	11.5	11.5	11.1	.0	.4
Social Services	5.4	5.4	5.0	.0	.4
Engineering and Management Services	5.1	5.0	4.8	.0	.2
Government	47.3	42.2	46.5	5.1	.9
Federal Government	2.6	2.5	2.4	.0	.2
State Government	17.8	13.2	17.4	4.6	.4
State Government Education[h]	15.0	10.4	14.5	4.6	.4
Local Government	27.0	26.5	26.7	.5	.3
Local Government Education	15.2	14.7	15.0	.5	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

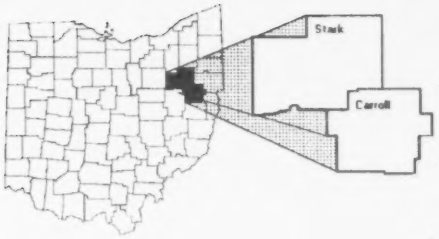
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$487.81	$507.03	$496.40	41.8	42.5	42.5	$11.67	$11.93	$11.68
Durable Goods[f]	484.88	506.09	504.18	42.2	42.6	42.8	11.49	11.88	11.78
Fabricated Metal Products	534.39	582.39	590.94	40.7	41.1	42.0	13.13	14.17	14.07
Fabricated Structural Metal Products	521.26	522.14	515.04	44.4	44.4	43.5	11.74	11.76	11.84
Industrial Machinery and Equipment	500.40	497.28	483.65	45.0	44.4	44.7	11.12	11.20	10.82
Metalworking Machinery	554.13	573.54	521.60	47.2	48.4	46.2	11.74	11.85	11.29
Electronic and Other Electric Equipment	428.24	431.50	404.09	40.4	40.9	40.9	10.60	10.55	9.88
Transportation Equipment	634.72	631.73	652.96	42.8	42.8	44.0	14.83	14.76	14.84
Nondurable Goods[g]	492.71	507.60	485.83	41.3	42.3	42.1	11.93	12.00	11.54
Food and Kindred Products	386.00	378.56	368.55	38.6	38.2	39.0	10.00	9.91	9.45
Chemicals and Allied Products	552.93	594.76	509.46	42.5	44.0	42.0	13.01	13.29	12.13
Rubber and Miscellaneous Plastics Products	498.12	508.03	494.49	42.0	43.2	43.3	11.86	11.76	11.42
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	619.50	617.81	587.32	42.2	42.2	40.2	14.68	14.64	14.61
Wholesale Trade	365.53	370.94	353.65	36.7	36.8	36.8	9.96	10.08	9.61
Retail Trade[i]	212.99	213.96	210.06	29.5	29.8	30.4	7.22	7.18	6.91
General Merchandise Stores	184.31	184.52	194.24	27.8	28.0	29.7	6.63	6.59	6.54
Food Stores	318.96	317.36	309.40	36.0	35.9	35.4	8.86	8.84	8.74
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	286.45	294.90	287.83	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Canton Metropolitan Statistical Area

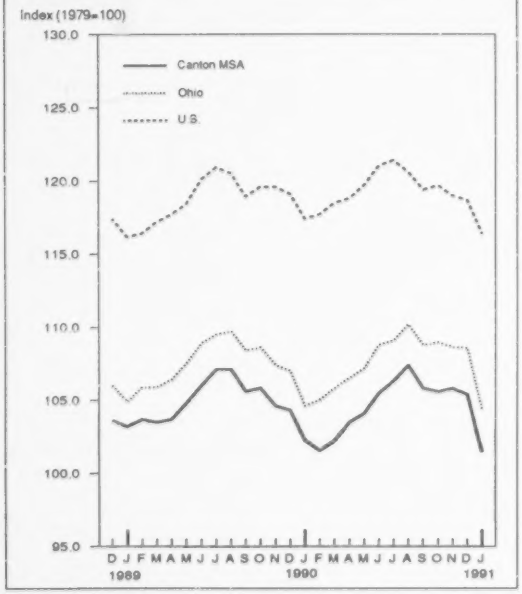


Total nonfarm payroll employment in the Canton metropolitan area dropped 1,100 from January to 162,600 in February 1991. Lowered production in manufacturing, especially primary metal industries and fabricated metal products, and less business in construction reduced employment in goods-producing industries 700 to 50,600. The number of employees in service-producing industries declined 400 as seasonal layoffs in retail trade outweighed modest increases in services. Manufacturing production workers averaged $11.33 per hour, up slightly from January. Their average workweek was 0.2 hours shorter at 41.7 hours.

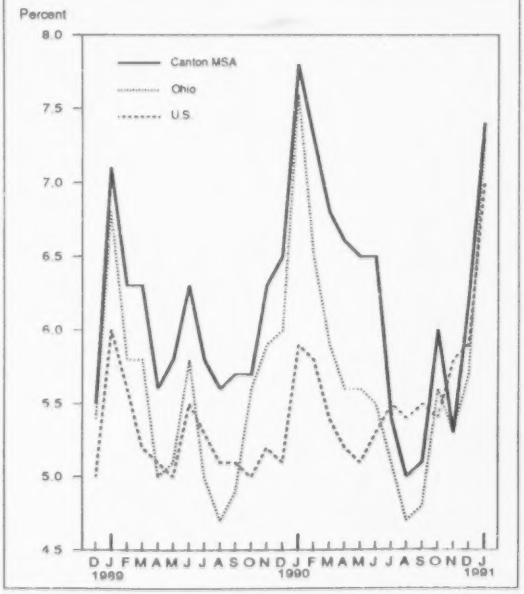
Nonagricultural wage and salary employment advanced 1,200 between February 1990 and February 1991. Expansion in services helped raise employment in service-producing industries 2,500. Employment in goods-producing industries fell 1,300 below the year-ago level due to scattered reductions in manufacturing and a modest decline in construction. Decreased production in fabricated metal products, rubber and miscellaneous plastics products, and electronic and other electric equipment negated a gain in primary metal industries.

Seasonally adjusted employment in the Canton area totaled 167,000 in February 1991, unchanged from January. A gain in services offset declines in manufacturing and government. Since February 1990, nonfarm payroll employment advanced 2,000 as growth in services and retail trade outweighed a decline in manufacturing.

Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)



Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.8	181.8	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
190.5	176.5	14.0	7.3	February	161.4	44.7	31.3	473.91	42.2	11.23
190.5	177.6	12.9	6.8	March	163.0	44.8	31.2	472.36	42.1	11.22
192.4	179.8	12.6	6.6	April	164.2	43.8	30.1	474.31	41.9	11.32
193.5	180.9	12.6	6.5	May	167.1	44.7	31.0	479.94	42.1	11.40
196.0	183.3	12.8	6.5	June	168.2	45.1	31.5	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	167.2	45.2	31.5	485.18	42.3	11.47
196.4	186.5	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.6	183.8	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
195.0	183.4	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.3	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
190.5	176.3	14.1	7.4	January	163.8	44.2	30.7	473.05	41.9	11.29
INA	INA	INA	INA	February	162.6	43.6	30.1	472.46	41.7	11.33

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	5	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	8	45	1990	113	6	9	33	7	40	19
				1990							
165	54	8	45	February	111	6	9	32	7	39	19
166	54	8	45	March	112	6	9	32	7	39	19
165	53	8	44	April	112	6	9	32	7	39	19
166	53	8	45	May	113	6	9	33	7	40	20
167	53	7	45	June	114	6	9	33	7	40	20
166	53	7	45	July	113	6	9	33	7	40	20
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	114	6	9	33	7	40	19
166	52	7	44	December	114	6	9	33	7	41	19
				1991							
167	53	8	45	January	114	6	9	33	7	40	20
167	53	8	44	February	114	6	9	33	7	41	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	162.6	163.8	161.4	-1.1	1.2
Goods-Producing Industries[e]	50.6	51.4	52.0	-.7	-1.3
Construction	6.2	6.4	6.5	-.2	-.3
Manufacturing	43.6	44.2	44.7	-.5	-1.1
Durable Goods[f]	32.9	33.2	33.7	-.3	-.8
Primary Metal Industries	11.7	11.9	11.0	-.2	.6
Fabricated Metal Products	5.2	5.4	6.0	-.2	-.7
Electronic and Other Electric Equipment	4.0	4.0	4.2	.0	-.3
Nondurable Goods[g]	10.7	11.0	11.0	-.3	-.3
Food and Kindred Products	3.0	3.1	2.9	-.1	.1
Rubber and Miscellaneous Plastics Products	2.4	2.6	2.9	-.1	-.5
Service-Producing Industries	112.0	112.4	109.5	-.4	2.5
Transportation and Public Utilities	5.6	5.6	5.5	.0	.1
Communications, Electric, Gas Services	2.8	2.8	2.7	.0	.1
Wholesale Trade	8.7	8.8	8.5	-.1	.2
Retail Trade	31.5	32.1	31.2	-.6	.3
General Merchandise Stores	3.6	3.9	4.0	-.2	-.3
Food Stores	5.6	5.7	5.3	.0	.3
Finance, Insurance, and Real Estate	6.5	6.5	6.9	.0	-.4
Finance	3.8	3.8	4.0	.0	-.2
Services	39.8	39.5	37.9	.3	1.9
Health Services	16.3	16.3	15.6	.0	.7
Nursing and Personal Care Facilities	3.9	3.8	3.7	.1	.1
Hospitals	7.6	7.6	7.2	.0	.4
Government	19.9	19.9	19.5	.0	.4
Federal Government	1.5	1.5	1.4	.0	.1
State Government (Includes Education)	1.7	1.6	1.7	.0	-.1
Local Government	16.8	16.8	16.4	-.1	.4
Local Government Education	10.3	10.0	9.9	.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

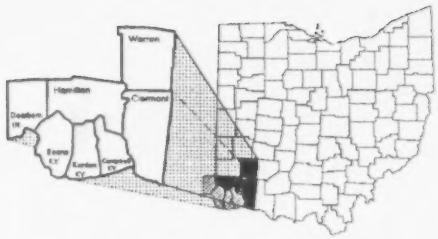
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$472.46	$473.05	$473.91	41.7	41.9	42.2	$11.33	$11.29	$11.23
Durable Goods[f]	492.03	496.22	497.08	42.6	43.0	43.0	11.55	11.54	11.56
Primary Metal Industries	531.33	526.28	514.93	44.8	44.6	44.2	11.86	11.80	11.65
Fabricated Metal Products	460.53	459.50	479.55	40.9	41.1	40.4	11.26	11.18	11.87
Electronic and Other Electric Equipment	568.62	569.23	545.79	40.1	40.2	40.7	14.18	14.16	13.41
Nondurable Goods[g]	412.51	400.40	401.37	39.1	38.5	39.7	10.55	10.40	10.11
Food and Kindred Products	420.62	398.33	413.51	39.2	37.9	38.9	10.73	10.51	10.63
Rubber and Miscellaneous Plastics Products	402.56	389.61	400.46	39.7	39.0	41.2	10.14	9.99	9.72
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	632.58	634.53	572.57	42.2	42.5	39.9	14.99	14.93	14.35
Wholesale Trade	389.76	398.34	382.31	38.4	38.9	38.5	10.15	10.24	9.93
Retail Trade[i]	169.74	168.66	171.46	26.9	26.9	28.2	6.31	6.27	6.08
General Merchandise Stores	182.63	181.71	191.81	26.7	27.0	28.8	6.84	6.73	6.66
Food Stores	166.32	163.74	165.41	27.4	27.2	27.8	6.07	6.02	5.95
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	198.16	201.74	181.40	30.3	30.8	29.4	6.54	6.55	6.17

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Cincinnati Primary Metropolitan Statistical Area

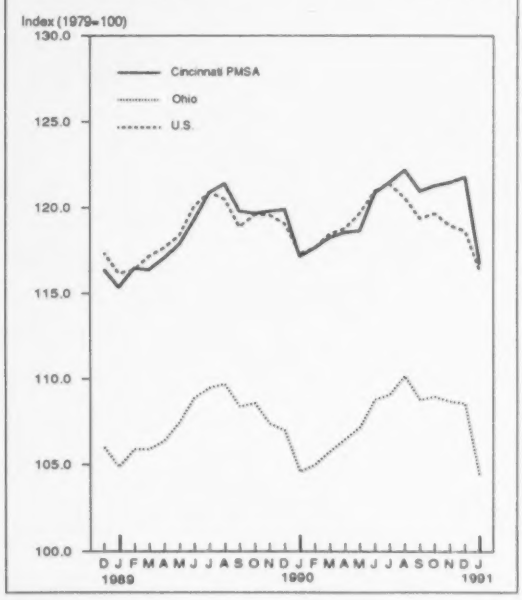


In the Cincinnati metropolitan area, nonfarm payroll employment totaled 737,400 in February 1991, up 100 from the January level. Employment in service-producing industries increased 800 as gains in government and services more than offset seasonal layoffs in retail trade, especially general merchandise stores. Less business in construction and declines among manufacturers of durable goods, particularly transportation equipment and fabricated metal products, lowered the number of jobs in goods-producing industries 700 to 176,900. Factory production workers averaged $12.30 per hour, down fractionally from January. Their average workweek of 42.4 hours was 0.1 hours longer.

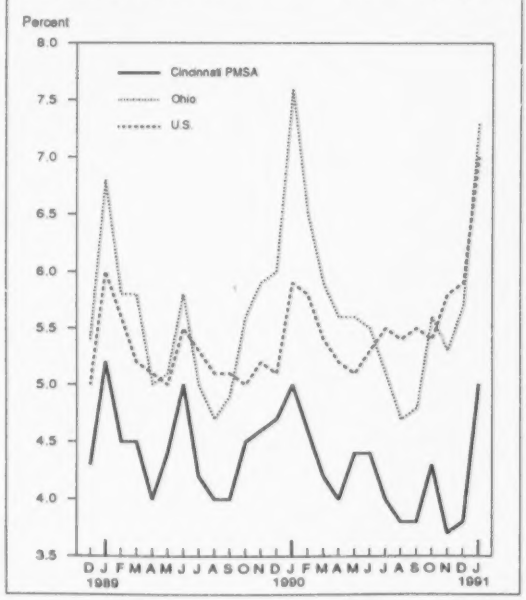
Nonagricultural wage and salary employment advanced 12,800 between February 1990 and February 1991. Expansion in service-producing industries created 14,600 jobs. The leading growth industry was services, especially health, business, and engineering and management services. Noteworthy improvements occurred in local government and transportation and public utilities. Employment in goods-producing industries fell 1,900 below the year-ago level as reductions in construction and durable-goods manufacturing outweighed gains in nondurable goods. Production cutbacks in transportation equipment, electronic and other electric equipment, and industrial machinery and equipment offset growth in chemicals and allied products and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 753,000 in February 1991, up 1,000 from January. Scattered improvements more than offset a decline in retail trade. Since February 1990, nonfarm payroll employment advanced 13,000. Noteworthy growth in services and government outweighed a decline in construction.

Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	97.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
786.9	754.1	32.8	4.2	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
775.0	739.5	35.6	4.6	February	724.7	147.0	92.5	498.53	42.5	11.73
775.5	742.9	32.6	4.2	March	732.2	147.3	92.5	515.70	43.3	11.91
776.7	745.2	31.4	4.0	April	737.7	146.9	92.1	490.73	41.8	11.74
779.9	745.7	34.2	4.4	May	746.6	147.3	92.3	519.60	43.3	12.00
794.3	759.1	35.2	4.4	June	751.5	148.5	93.2	528.00	43.6	12.11
795.1	763.4	31.7	4.0	July	747.0	148.3	93.0	516.86	43.0	12.02
798.0	767.7	30.4	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
790.3	760.0	30.3	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
795.9	761.9	34.0	4.3	October	753.9	149.5	93.7	526.25	43.1	12.21
791.9	762.9	29.0	3.7	November	754.6	149.4	93.2	527.47	43.2	12.21
795.2	765.0	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
772.1	733.7	38.4	5.0	January	737.3	147.3	91.5	521.14	42.3	12.32
INA	INA	INA	INA	February	737.4	147.0	91.1	521.52	42.4	12.30

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
740	185	36	148	February	555	41	48	141	44	189	93
743	185	36	149	March	558	41	49	141	44	190	93
739	183	34	148	April	557	41	49	141	44	190	93
742	183	34	148	May	560	41	48	140	44	191	95
745	183	34	148	June	562	41	49	141	44	193	94
745	182	33	148	July	564	41	49	141	44	193	96
746	182	34	148	August	565	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	196	94
748	182	32	149	October	567	41	49	141	44	198	94
748	181	33	148	November	567	41	49	141	44	197	95
749	181	33	147	December	569	42	49	142	44	198	95
				1991							
752	182	34	148	January	570	42	48	142	44	198	96
753	183	34	148	February	570	42	48	141	44	198	96

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	737.4	737.3	724.7	.1	12.8
Goods-Producing Industries[e]	176.9	177.7	178.8	-.7	-1.9
Construction	29.7	30.1	31.5	-.4	-1.8
Manufacturing	147.0	147.3	147.0	-.3	.0
Durable Goods[f]	77.2	77.6	79.7	-.4	-2.4
Fabricated Metal Products	11.6	11.8	11.8	-.2	-.2
Fabricated Structural Metal Products	4.2	4.3	4.2	-.1	.0
Industrial Machinery and Equipment	18.8	18.7	19.2	.1	-.5
Electronic and Other Electric Equipment	7.5	7.6	8.1	-.1	-.6
Transportation Equipment	24.0	24.4	24.7	-.4	-.7
Motor Vehicles and Equipment	4.8	5.1	4.9	-.3	-.2
Instruments and Related Products	3.8	3.7	3.8	.0	.0
Nondurable Goods[g]	69.7	69.6	67.3	.1	2.4
Food and Kindred Products	12.2	12.2	11.9	.0	.3
Beverages	2.8	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.3	3.4	3.5	.0	-.2
Paper and Allied Products	6.4	6.3	6.1	.1	.3
Printing and Publishing	15.2	15.2	14.4	.0	.8
Commercial Printing	6.5	6.4	5.9	.0	.5
Chemicals and Allied Products	23.7	23.7	22.6	.0	1.1
Rubber and Miscellaneous Plastics Products	6.5	6.4	6.4	.0	.0
Service-Producing Industries	560.5	559.6	545.8	.8	14.6
Transportation and Public Utilities	41.5	41.2	40.2	.3	1.3
Transportation	24.8	24.5	23.8	.3	.9
Trucking and Warehousing	10.4	10.2	10.4	.1	.0
Transportation by Air	7.7	7.6	6.9	.1	.8
Communications, Electric, Gas Services	16.7	16.8	16.4	.0	.3
Communications	10.0	9.9	9.9	.0	.1
Wholesale Trade	48.3	48.4	48.2	-.1	.1
Wholesale Trade-Durable Goods	27.8	27.8	28.0	.0	-.3
Retail Trade	136.8	139.1	136.4	-2.2	.4
General Merchandise Stores	20.6	21.6	20.6	-1.0	-.1
Finance, Insurance, and Real Estate	43.9	43.8	43.0	.1	.9
Finance	17.8	17.9	17.5	.0	.3
Depository Institutions	13.3	13.4	13.2	-.1	.2
Commercial Banks	9.6	9.6	9.3	.0	.3
Insurance	17.3	17.3	17.1	.0	.2
Insurance Carriers	14.6	14.6	14.4	.0	.2
Life Insurance	6.9	6.9	6.8	.0	.1
Fire, Marine, and Casualty Insurance	5.5	5.5	5.3	.0	.2
Services	192.2	191.0	183.0	1.2	9.2
Hotels and Other Lodging Places	7.3	7.2	7.0	.1	.3
Personal Services	9.1	9.0	8.8	.1	.3
Business Services	38.4	38.5	36.2	-.1	2.2
Services to Buildings	6.1	6.0	6.4	.1	-.3
Computer and Data Processing Services	5.4	5.4	4.9	.0	.5
Amusements, Including Motion Pictures	9.1	9.4	8.5	-.2	.7
Health Services	60.1	59.8	57.6	.3	2.5
Nursing and Personal Care Facilities	11.5	11.4	11.2	.1	.3
Hospitals	28.6	28.4	27.6	.1	.9
Legal Services	4.3	4.3	4.2	.0	.2
Educational Services	7.9	7.4	7.4	.4	.5
Social Services	13.3	13.3	12.7	.1	.6
Residential Care	4.8	4.8	4.7	.0	.1
Engineering and Management Services	18.5	18.2	17.2	.3	1.3
Engineering and Architectural Services	6.2	6.2	5.8	.0	.4
Government	97.8	96.2	95.0	1.6	2.7
Federal Government	17.0	16.2	17.4	.8	-.4
State Government	22.2	21.9	21.7	.3	.5
State Government Education[h]	14.2	13.9	13.7	.3	.5
Local Government	58.6	58.0	55.9	.6	2.7
Local Government Education	34.5	33.9	32.7	.6	1.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

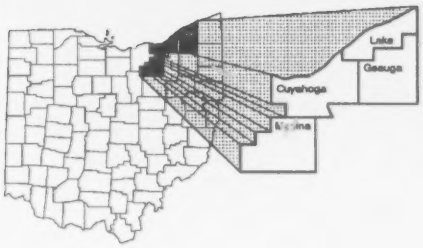
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$521.52	$521.14	$498.53	42.4	42.3	42.5	$12.30	$12.32	$11.73
Durable Goods[f]	502.74	504.53	492.20	42.0	41.8	42.8	11.97	12.07	11.50
Fabricated Metal Products	430.31	421.67	420.89	41.9	41.3	42.6	10.27	10.21	9.88
Fabricated Structural Metal Products	450.85	448.81	451.19	41.4	41.1	43.3	10.89	10.92	10.42
Industrial Machinery and Equipment	475.57	476.70	476.50	41.9	42.0	43.2	11.35	11.35	11.03
Electronic and Other Electric Equipment	396.76	389.09	368.55	41.2	40.7	40.5	9.63	9.56	9.10
Transportation Equipment	706.26	731.02	731.25	42.7	43.8	45.0	16.54	16.69	16.25
Motor Vehicles and Equipment	687.60	752.00	744.72	39.7	42.2	43.5	17.32	17.82	17.12
Instruments and Related Products	445.55	439.66	363.79	44.6	44.5	42.4	9.99	9.88	8.58
Nondurable Goods[g]	538.02	536.28	504.71	42.7	42.8	42.2	12.60	12.53	11.96
Food and Kindred Products	509.07	511.97	484.78	42.6	42.7	41.9	11.95	11.99	11.57
Beverages	570.04	567.42	567.06	40.4	40.3	42.7	14.11	14.08	13.28
Apparel and Other Textile Products	256.96	254.22	248.96	37.9	38.0	38.9	6.78	6.69	6.40
Paper and Allied Products	464.10	454.84	453.53	42.0	41.5	41.8	11.05	10.96	10.85
Printing and Publishing	532.14	502.45	532.59	42.1	40.1	43.3	12.64	12.53	12.30
Commercial Printing	590.44	543.58	575.51	45.7	42.6	46.3	12.92	12.76	12.43
Chemicals and Allied Products	687.04	695.06	605.47	45.2	46.0	42.4	15.20	15.11	14.28
Rubber and Miscellaneous Plastics Products	387.20	393.31	427.98	40.0	40.8	43.1	9.68	9.64	9.93
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	601.90	596.90	568.79	40.1	39.9	39.2	15.01	14.96	14.51
Communications	589.34	583.25	575.19	38.9	38.6	38.5	15.15	15.11	14.94
Wholesale Trade	442.18	441.78	437.73	39.2	39.2	39.4	11.28	11.27	11.11
Retail Trade[i]	176.09	176.73	170.84	27.3	27.4	27.6	6.45	6.45	6.19
General Merchandise Stores	231.65	226.27	209.20	30.4	29.5	29.3	7.62	7.67	7.14
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	298.50	296.66	302.94	....	....	....	.....	.....	.....
Commercial Banks	266.34	269.35	272.10	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	419.96	421.61	409.27	....	....	....	.....	.....	.....
Life Insurance	415.83	418.77	420.00	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	449.91	449.89	421.73	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	439.82	437.45	428.04	32.7	32.5	32.6	13.45	13.46	13.13
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	676.48	680.96	653.54	41.4	41.7	41.0	16.34	16.33	15.94

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Cleveland Primary Metropolitan Statistical Area

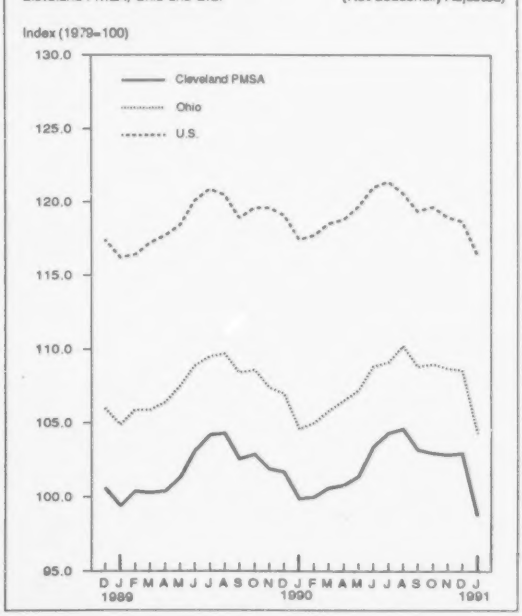


Nonfarm wage and salary employment in the Cleveland metropolitan area dropped 6,000 below the January level to 926,400 in February 1991. Temporary layoffs among manufacturers of durable goods, particularly transportation equipment and primary metal industries, lowered employment in goods-producing industries 5,200 to 229,500. The number of employees in service-producing industries declined 800 over the month as the release of seasonal workers in retail trade, especially general merchandise stores, overshadowed gains in services. Manufacturing production workers averaged $11.98 per hour, down 23 cents from January. Their average workweek of 41.2 hours was 0.6 hours shorter.

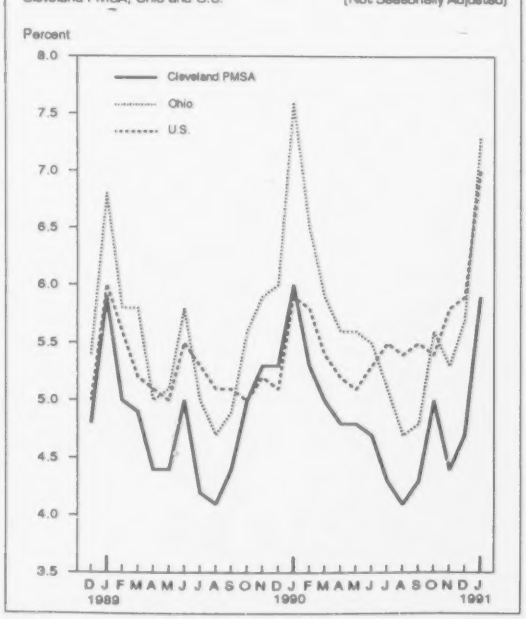
Nonagricultural payroll employment declined 1,300 between February 1990 and February 1991. Employment in goods-producing industries dropped 7,700 due to over-the-year production cutbacks in durable-goods manufacturing. Significant reductions were posted in transportation equipment (-3,000), primary metal industries (-2,500), and industrial machinery and equipment (-1,300). Expansion in service-producing industries created 6,400 jobs. Leading growth industries were services (+4,500) and retail trade (+1,700).

Seasonally adjusted employment in the Cleveland area totaled 947,000 in February 1991, down 4,000 from January mainly due to current temporary layoffs in manufacturing. Since February 1990, nonfarm payroll employment declined 1,000. Significant cutbacks in manufacturing and a nominal decrease in construction negated growth in services and retail trade.

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
954.8	909.1	45.7	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
938.9	888.9	49.9	5.3	February	927.7	206.3	132.1	502.60	42.2	11.91
941.3	894.5	46.8	5.0	March	936.9	206.9	132.4	522.88	43.0	12.16
941.1	896.2	44.9	4.8	April	940.9	206.8	132.2	498.78	41.6	11.99
947.2	901.7	45.6	4.8	May	953.2	207.0	132.3	531.72	43.3	12.28
965.0	919.7	45.3	4.7	June	965.2	208.6	133.3	534.25	43.4	12.31
969.0	926.9	42.1	4.3	July	962.7	207.8	132.2	514.74	42.4	12.14
969.6	930.3	39.4	4.1	August	956.3	206.1	131.1	518.38	42.7	12.14
958.0	917.2	40.8	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
964.4	915.9	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
956.7	914.6	42.2	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
960.9	915.4	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
934.0	878.6	55.4	5.9	January	932.4	204.1	128.3	510.38	41.8	12.21
INA	INA	INA	INA	February	926.4	199.3	123.7	493.58	41.2	11.98

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
948	244	36	208	February	704	43	65	162	58	257	120
953	245	36	208	March	708	43	65	162	58	259	121
948	243	35	208	April	704	43	65	162	58	257	120
951	242	34	207	May	709	43	65	162	58	259	122
954	243	35	207	June	711	43	65	163	58	260	122
953	243	35	208	July	709	43	65	163	58	261	118
949	242	35	206	August	708	43	65	164	58	263	114
953	242	34	207	September	711	43	65	164	58	262	120
952	242	34	207	October	710	43	65	164	58	260	120
948	239	34	204	November	709	42	65	163	58	261	119
948	239	35	203	December	709	43	65	163	58	261	119
				1991							
951	240	34	205	January	711	43	65	164	58	261	120
947	237	35	201	February	710	43	65	163	58	261	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	926.4	932.4	927.7	-6.0	-1.3
Goods-Producing Industries[e]	229.5	234.7	237.2	-5.2	-7.7
Construction	29.4	29.7	30.1	-.3	-.7
Special Trade Contractors	20.6	20.8	21.0	-.2	-.4
Manufacturing	199.3	204.1	206.3	-4.8	-7.0
Durable Goods[f]	133.7	138.2	140.8	-4.5	-7.2
Stone, Clay, and Glass Products	3.4	3.5	3.4	-.1	.0
Primary Metal Industries	17.9	19.8	20.4	-1.9	-2.5
Iron and Steel Foundries	2.5	4.4	4.4	-1.8	-1.9
Fabricated Metal Products	34.0	33.9	34.1	.1	.0
Screw Machine Products, Bolts, etc.	5.2	5.2	5.2	.0	.0
Metal Forgings and Stampings	10.7	10.6	11.0	.1	-.3
Industrial Machinery and Equipment	32.2	32.8	33.6	-.5	-1.3
Metalworking Machinery	12.5	12.7	13.0	-.2	-.5
Electronic and Other Electric Equipment	15.1	15.1	15.6	-.1	-.5
Electrical Industrial Apparatus	4.1	4.1	4.3	.0	-.2
Electric Lighting and Wiring Equipment	5.1	5.1	5.3	.0	-.2
Transportation Equipment	16.3	18.4	19.4	-2.1	-3.0
Motor Vehicles and Equipment	8.9	11.0	11.9	-2.1	-2.9
Instruments and Related Products	7.3	7.3	7.2	-.1	.1
Measuring and Controlling Devices	5.1	5.2	4.8	.0	.3
Nondurable Goods[g]	65.6	65.9	65.5	-.3	.1
Food and Kindred Products	6.5	6.5	6.5	.0	.0
Apparel and Other Textile Products	3.3	3.3	3.3	.0	.0
Paper and Allied Products	5.9	5.9	5.9	.0	.0
Printing and Publishing	17.6	17.7	16.9	-.1	.7
Chemicals and Allied Products	14.8	14.8	15.1	.0	-.3
Rubber and Miscellaneous Plastics Products	11.3	11.5	11.6	-.2	-.3
Miscellaneous Plastics Products	7.5	7.6	7.1	-.1	.4
Service-Producing Industries	696.9	697.7	690.5	-.8	6.4
Transportation and Public Utilities	41.4	41.8	41.7	-.4	-.2
Transportation	24.2	24.6	23.9	-.4	.3
Trucking and Warehousing	11.1	11.1	11.2	.0	-.1
Transportation by Air	5.5	5.5	5.2	.0	.3
Communications, Electric, Gas Services	17.2	17.2	17.8	.0	-.6
Communications	10.3	10.3	10.5	.0	-.2
Electric, Gas, and Sanitary Services	7.0	7.0	7.3	.0	-.3
Wholesale Trade	64.1	64.4	64.1	-.3	-.1
Wholesale Trade-Durable Goods	44.0	44.2	43.9	-.2	.1
Motor Vehicles, Parts, and Supplies	4.1	4.1	4.1	-.1	.0
Professional and Commercial Equipment	8.9	8.9	9.3	.0	-.4
Retail Trade	158.5	161.1	156.7	-2.7	1.7
General Merchandise Stores	19.3	20.5	19.9	-1.2	-.6
Finance, Insurance, and Real Estate	57.9	57.7	57.1	.2	.9
Finance	27.5	27.5	27.8	.1	-.3
Depository Institutions	20.2	20.2	20.4	.0	-.2
Commercial Banks	12.8	12.8	12.9	.0	.0
Insurance	19.2	19.1	18.5	.0	.6
Insurance Carriers	14.5	14.5	13.9	.0	.6
Fire, Marine, and Casualty Insurance	6.3	6.3	6.2	.0	.1
Services	255.5	253.9	250.9	1.5	4.5
Business Services	50.5	50.6	50.1	-.1	.4
Personnel Supply Services	18.0	18.0	18.6	.1	-.6
Computer and Data Processing Services	6.7	6.7	6.3	.0	.4
Amusements, Including Motion Pictures	9.5	9.6	9.8	-.1	-.3
Health Services	80.5	80.3	79.1	.2	1.4
Nursing and Personal Care Facilities	14.4	14.3	13.9	.1	.5
Hospitals	43.0	43.0	43.3	.0	-.3
Legal Services	9.8	9.8	9.6	.0	.2
Educational Services	18.8	17.9	18.5	.8	.3
Social Services	15.3	15.3	14.4	.0	.9
Residential Care	4.2	4.2	3.9	.0	.3
Engineering and Management Services	22.5	22.3	22.3	.2	.2
Engineering and Architectural Services	8.4	8.3	8.4	.1	.0
Accounting, Auditing, and Bookkeeping	6.3	6.2	6.4	.1	-.1
Management and Public Relations	5.1	5.1	4.9	.0	.2
Government	119.5	118.7	119.9	.8	-.4
Federal Government	19.7	19.7	20.3	.0	-.6
State Government	8.5	8.1	8.3	.4	.2
State Government Education[h]	3.5	3.1	3.4	.4	.1
Local Government	91.4	90.9	91.3	.5	.1
Local Government Education	45.9	45.3	47.1	.6	-1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

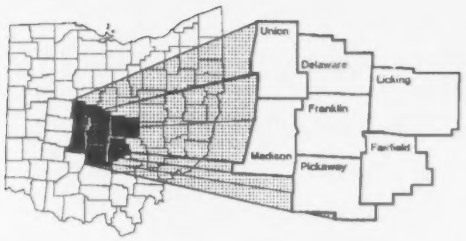
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$493.58	$510.38	$502.60	41.2	41.8	42.2	$11.98	$12.21	$11.91
Durable Goods[f]	517.50	536.78	530.33	41.7	42.2	42.7	12.41	12.72	12.42
Stone, Clay, and Glass Products	483.06	506.65	479.35	41.5	42.9	40.9	11.64	11.81	11.72
Primary Metal Industries	488.33	569.26	512.74	42.5	44.3	42.8	11.49	12.85	11.98
Iron and Steel Foundries	740.51	867.10	765.62	41.3	46.0	43.8	17.93	18.85	17.48
Fabricated Metal Products	543.93	553.84	534.24	42.1	42.9	42.4	12.92	12.91	12.60
Screw Machine Products, Bolts, etc.	491.88	530.42	504.36	41.3	43.8	42.1	11.91	12.11	11.98
Metal Forgings and Stampings	676.67	676.67	676.71	42.8	42.8	43.8	15.81	15.81	15.45
Industrial Machinery and Equipment	512.36	509.09	528.06	42.1	41.9	44.3	12.17	12.15	11.92
Metalworking Machinery	478.31	477.50	562.27	40.5	40.5	46.7	11.81	11.79	12.04
Electronic and Other Electric Equipment	427.03	434.43	422.24	40.4	41.1	40.6	10.57	10.57	10.40
Electrical Industrial Apparatus	427.22	443.28	439.30	41.0	42.5	41.6	10.42	10.43	10.56
Electric Lighting and Wiring Equipment	420.42	421.13	370.26	38.5	38.6	37.4	10.92	10.91	9.90
Transportation Equipment	669.50	685.17	704.69	41.2	41.4	43.1	16.25	16.55	16.35
Motor Vehicles and Equipment	714.08	726.35	759.56	39.3	39.8	42.6	18.17	18.25	17.83
Instruments and Related Products	443.35	430.40	447.69	40.6	40.0	41.3	10.92	10.76	10.84
Measuring and Controlling Devices	447.17	448.92	458.13	40.8	40.7	41.8	10.96	11.03	10.96
Nondurable Goods[g]	440.59	444.44	433.54	40.2	40.7	40.9	10.96	10.92	10.60
Food and Kindred Products	455.66	450.47	438.00	39.9	39.9	40.0	11.42	11.29	10.95
Apparel and Other Textile Products	385.61	377.95	367.30	38.6	38.1	38.3	9.99	9.92	9.59
Paper and Allied Products	515.83	525.23	516.73	43.9	44.7	44.7	11.75	11.75	11.56
Printing and Publishing	393.07	367.55	371.48	37.4	37.3	37.0	10.51	10.39	10.04
Chemicals and Allied Products	540.47	550.51	541.03	41.1	41.8	42.5	13.15	13.17	12.73
Rubber and Miscellaneous Plastics Products	358.40	374.18	377.64	40.0	41.3	42.1	8.96	9.06	8.97
Miscellaneous Plastics Products	361.89	385.63	391.82	39.9	41.6	43.2	9.07	9.27	9.07
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	487.76	484.39	467.17	33.5	33.2	34.2	14.56	14.59	13.66
Communications, Electric, Gas Services	690.64	689.77	625.87	43.3	43.3	40.8	15.95	15.93	15.34
Wholesale Trade	465.56	469.20	458.60	38.7	39.1	39.5	12.03	12.00	11.61
Retail Trade[i]	195.53	193.56	184.95	27.5	27.3	27.0	7.11	7.09	6.85
General Merchandise Stores	198.72	195.68	182.38	28.8	28.4	27.1	6.90	6.89	6.73
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	324.45	323.79	321.26	....	....	....	.....	.....	.....
Depository Institutions	295.49	293.65	294.47	....	....	....	.....	.....	.....
Commercial Banks	286.25	285.64	290.24	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	341.64	340.70	326.86	31.2	31.2	31.1	10.95	10.92	10.51
Nursing and Personal Care Facilities	260.95	257.22	230.21	34.2	33.8	32.7	7.63	7.61	7.04
Hospitals	373.30	373.01	359.96	30.3	30.4	30.3	12.32	12.27	11.88

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

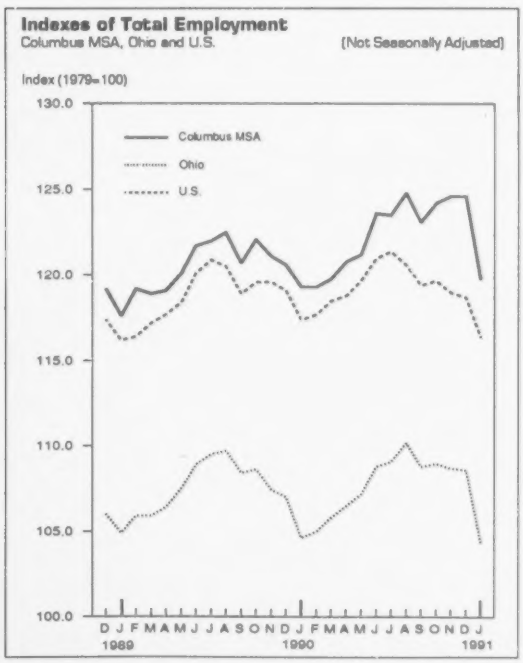
Columbus Metropolitan Statistical Area

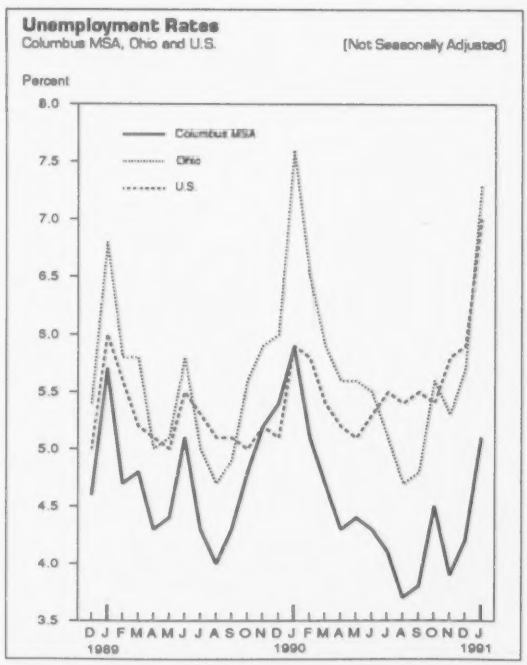


Nonagricultural payroll employment in the Columbus metropolitan area totaled 716,900 in February 1991, down 500 from the January level. Scattered declines in manufacturing, especially fabricated metal products, and less business in construction reduced employment in goods-producing industries 800 to 130,000. The number of jobs in service-producing industries increased 300 over the month. Gains in services and the partial return of nonteaching personnel in state and local schools and colleges more than offset seasonal decreases in retail trade, particularly general merchandise stores. Manufacturing production workers averaged $12.73 per hour, up fractionally from January. Their average workweek of 41.5 hours was 0.2 hours shorter.

Nonfarm wage and salary employment advanced 12,600 between February 1990 and February 1991. Employment in the service-producing sector rose 13,400. A major portion of the growth occurred in services, primarily business and health services, and in local and state government. Noteworthy growth was posted in retail trade and finance, insurance, and real estate. The workforce in goods-producing industries decreased 700 during the period as declines in construction employment negated nominal gains in manufacturing. Over-the-year improvements in transportation equipment, food and kindred products, and printing and publishing offset reductions in fabricated metal products and stone, clay, and glass products.

Seasonally adjusted employment in the Columbus area declined 2,000 from January to 727,000 in February 1991 mainly due to nominal decreases in manufacturing and government. Since February 1990, total nonfarm payroll employment advanced 12,000. The improvement was concentrated in the service-producing sector, especially services. Noteworthy gains were posted in government, retail trade, and finance, insurance, and real estate. Employment in construction declined.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	395.6	34.7	4.8	1989	704.7	104.9	69.5	500.82	41.7	12.01
739.5	706.9	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
726.2	689.0	37.3	5.1	February	704.3	103.6	69.1	520.36	42.1	12.36
725.6	691.8	33.8	4.7	March	709.5	103.9	69.6	512.10	41.6	12.31
728.8	697.6	31.2	4.3	April	716.5	104.5	70.0	501.43	40.9	12.26
732.7	700.1	32.6	4.4	May	723.3	104.3	69.7	514.58	41.7	12.34
745.8	713.6	32.2	4.3	June	731.9	105.3	70.3	520.80	42.0	12.40
744.1	713.2	30.9	4.1	July	722.0	103.8	68.7	524.15	42.1	12.45
748.3	720.9	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
739.5	711.1	28.4	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
750.9	717.2	33.7	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
748.9	719.6	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
751.7	719.8	31.9	4.2	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
728.8	691.7	37.1	5.1	January	717.4	104.3	69.3	529.59	41.7	12.70
INA	INA	INA	INA	February	716.9	103.7	68.8	528.30	41.5	12.73

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
715	135	30	104	February	579	31	36	148	60	178	127
717	136	31	105	March	581	31	36	148	60	178	128
718	135	29	105	April	583	31	36	146	61	180	129
720	135	29	105	May	585	31	36	146	61	181	130
725	136	30	105	June	590	31	36	147	61	184	130
726	134	29	104	July	593	31	36	148	61	185	132
728	135	29	105	August	592	31	36	149	61	186	130
726	135	29	105	September	591	31	36	149	61	186	130
727	135	29	106	October	592	31	36	149	61	186	130
728	134	29	104	November	593	31	36	149	61	186	130
727	134	29	104	December	593	31	36	149	61	186	130
				1991							
729	135	29	105	January	594	31	36	149	61	187	130
727	135	29	104	February	593	31	36	149	61	187	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb 1990[c]	From Last Month	From Last Year
Total	716.9	717.4	704.3	-.5	12.6
Goods-Producing Industries[e]	130.0	130.8	130.7	-.8	-.7
Construction	25.4	25.6	26.2	-.3	-.9
Manufacturing	103.7	104.3	103.6	-.6	.1
Durable Goods[f]	65.2	65.7	65.8	-.5	-.6
Stone, Clay, and Glass Products	9.1	8.9	9.7	.2	-.6
Glass and Glassware, Pressed or Blown	3.6	3.4	3.6	.2	.0
Fabricated Metal Products	8.9	9.3	9.8	-.4	-.9
Industrial Machinery and Equipment	10.0	10.0	9.8	.0	.2
Electronic and Other Electric Equipment	9.7	9.8	9.5	-.1	.2
Transportation Equipment	15.7	15.8	14.6	-.1	1.0
Motor Vehicles and Equipment	14.0	14.1	13.2	-.1	.8
Instruments and Related Products	4.2	4.2	4.6	.0	-.4
Nondurable Goods[g]	38.5	38.5	37.8	-.1	.7
Food and Kindred Products	10.7	10.6	10.3	.1	.4
Dairy Products	4.1	4.1	3.7	.0	.4
Printing and Publishing	10.9	10.9	10.5	-.1	.3
Chemicals and Allied Products	6.7	6.7	6.9	.0	-.2
Rubber and Miscellaneous Plastics Products	6.1	6.2	5.9	-.1	.2
Service-Producing Industries	587.0	586.6	573.6	.3	13.4
Transportation and Public Utilities	30.2	30.5	30.4	-.3	-.2
Transportation	17.5	17.7	17.8	-.3	-.3
Trucking and Warehousing	12.5	12.6	12.4	-.2	.1
Communications, Electric, Gas Services	12.7	12.7	12.6	.0	.1
Communications	7.9	7.9	7.9	.0	.0
Electric, Gas, and Sanitary Services	4.8	4.8	4.7	.0	.1
Wholesale Trade	35.6	35.6	35.9	.0	-.3
Wholesale Trade-Durable Goods	22.4	22.5	22.9	.0	-.5
Motor Vehicles, Parts, and Supplies	2.9	3.0	3.0	.0	-.1
Machinery, Equipment, and Supplies	4.8	4.8	5.3	.0	-.4
Wholesale Trade-Nondurable Goods	13.2	13.2	13.0	.0	.2
Retail Trade	144.7	146.7	143.8	-2.0	.9
General Merchandise Stores	20.3	21.4	20.5	-1.1	-.2
Food Stores	16.6	16.8	16.5	-.2	.1
Automotive Dealers and Service Stations	13.9	14.1	13.7	-.1	.2
Finance, Insurance, and Real Estate	60.6	60.4	59.7	.2	.9
Finance	24.1	24.2	24.1	-.1	.0
Depository Institutions	13.4	13.5	13.8	-.1	-.4
Commercial Banks	11.3	11.3	11.4	-.1	-.1
Insurance	27.0	26.9	26.8	.1	.2
Insurance Carriers	23.0	22.9	22.8	.1	.2
Services	184.2	182.6	175.0	1.6	9.3
Business Services	42.5	42.4	37.8	.1	4.7
Personnel Supply Services	16.8	16.8	13.0	.0	3.8
Health Services	47.6	47.4	45.6	.2	2.0
Nursing and Personal Care Facilities	8.5	8.4	8.0	.1	.5
Hospitals	22.2	22.2	21.5	.0	.7
Legal Services	4.6	4.5	4.5	.0	.1
Educational Services	8.4	7.9	8.1	.5	.2
Social Services	13.7	13.6	12.9	.1	.8
Engineering and Management Services	18.4	18.4	18.2	.1	.2
Engineering and Architectural Services	5.1	5.1	4.7	.0	.4
Accounting, Auditing, and Bookkeeping	4.0	4.0	4.1	.0	-.1
Research and Testing Services	5.7	5.7	5.9	.0	-.2
Government	131.6	130.7	128.8	.9	2.8
Federal Government	16.0	16.0	16.3	.0	-.3
State Government	57.2	56.7	56.2	.6	1.0
State Government Education[h]	24.1	23.5	23.6	.6	.5
Local Government	58.4	58.0	56.3	.3	2.1
Local Government Education	36.0	35.6	34.4	.4	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

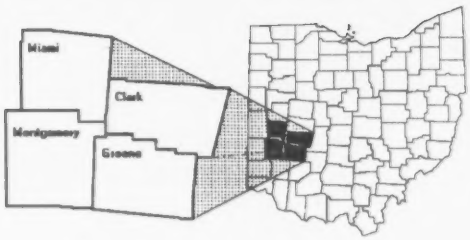
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$528.30	$529.59	$520.36	41.5	41.7	42.1	$12.73	$12.70	$12.36
Durable Goods[f]	544.32	541.77	537.63	42.0	41.9	42.4	12.96	12.93	12.68
Stone, Clay, and Glass Products	530.50	529.05	509.22	43.2	42.7	42.4	12.28	12.39	12.01
Glass and Glassware, Pressed or Blown	465.92	446.16	465.04	41.6	39 8	42.2	11.20	11.21	11.02
Fabricated Metal Products	512.08	543.02	517.45	40.1	41.2	41.1	12.77	13.18	12.59
Industrial Machinery and Equipment	537.07	541.58	507.36	43.0	43.5	42.0	12.49	12.45	12.08
Electronic and Other Electric Equipment	549.54	541.85	519.09	42.6	42.2	42.9	12.90	12.84	12.10
Transportation Equipment	641.99	607.13	674.19	43.0	41.9	45.4	14.93	14.49	14.85
Motor Vehicles and Equipment	652.75	602.15	677.50	43.2	41.3	45.5	15.11	14.58	14.89
Instruments and Related Products	411.09	430.80	403.52	38.6	40.0	38.8	10.65	10.77	10.40
Nondurable Goods[g]	494.90	504.29	485.97	40.4	41.2	41.5	12.25	12.24	11.71
Food and Kindred Products	435.78	456.96	423.72	40.5	42.0	40.9	10.76	10.88	10.36
Dairy Products	673.06	699.44	630.85	46.1	47.1	44.9	14.60	14.85	14.05
Printing and Publishing	569.84	574.23	542.49	39.6	40.1	39.0	14.39	14.32	13.91
Chemicals and Allied Products	672.52	685.39	634.30	43.0	43.6	42.8	15.64	15.72	14.82
Rubber and Miscellaneous Plastics Products	387.89	390.74	412.46	39.5	40.2	43.6	9.82	9.72	9.46
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	437.14	416.35	450.92	33.6	32.2	34.5	13.01	12.93	13.07
Communications, Electric, Gas Services	690.61	692.61	660.11	44.1	44.2	43.4	15.66	15.67	15.21
Communications	684.64	684.64	576.24	44.0	44.0	39.2	15.56	15.56	14.70
Electric, Gas, and Sanitary Services	699.69	703.30	806.70	44.2	44.4	50.8	15.83	15.84	15.88
Wholesale Trade	412.83	415.25	400.67	38.8	38.7	38.6	10.64	10.73	10.38
Retail Trade[i]	179.21	183.01	180.61	26.2	26.6	27.2	6.84	6.88	6.64
General Merchandise Stores	209.94	213.50	204.33	27.3	27.8	28.3	7.69	7.68	7.22
Food Stores	186.09	189.66	185.33	26.1	26.6	26.4	7.13	7.13	7.02
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	484.54	487.87	447.14	....	....	....	.....	.....	.....
Depository Institutions	298.72	303.40	291.92	....	....	....	.....	.....	.....
Commercial Banks	299.44	302.09	292.42	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	242.56	246.78	227.52	32.0	32.6	32.0	7.58	7.57	7.11
Hospitals	386.93	389.04	401.65	33.5	33.8	34.3	11.55	11.51	11.71
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	508.36	506.82	485.69	38.6	38.6	38.7	13.17	13.13	12.55

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

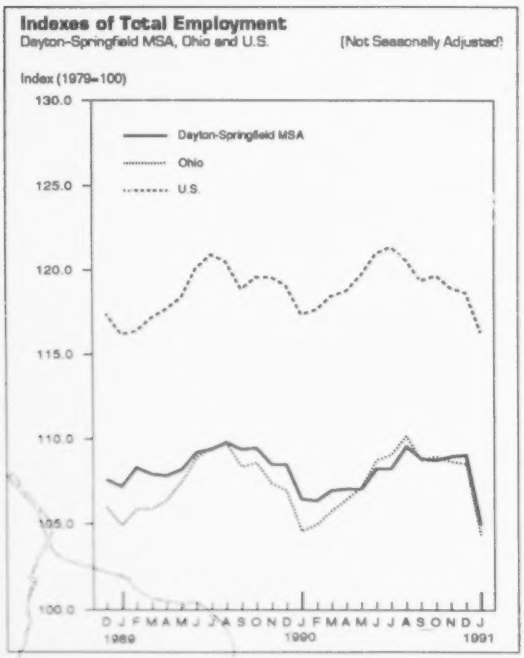
Dayton-Springfield Metropolitan Statistical Area

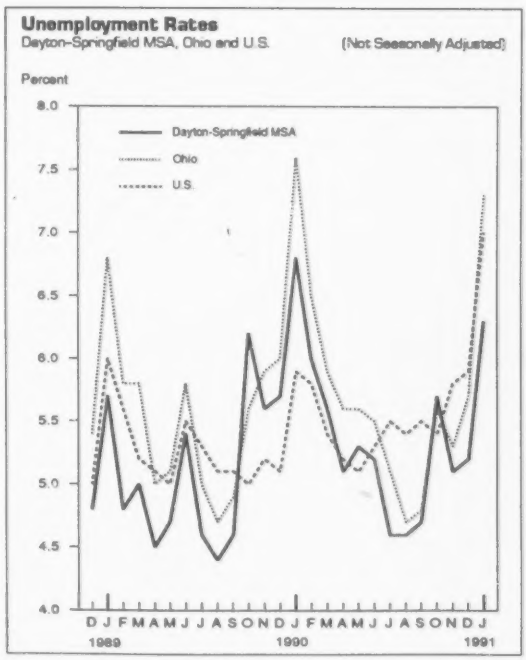


Total nonfarm payroll employment in the Dayton-Springfield metropolitan area dropped 1,000 below the January level to 444,500 in February 1991. Decreased production in manufacturing and less business in construction lowered employment in goods-producing industries 1,800 to 112,200. Noteworthy reductions were posted in industrial machinery and equipment, transportation equipment, and rubber and miscellaneous plastics products. Employment in service-producing industries increased 800 over the month. Gains in services more than offset seasonal layoffs in retail trade. Manufacturing production workers averaged $13.47 per hour, down 15 cents from January. Their average workweek of 40.8 hours was 0.5 hours shorter.

Nonagricultural wage and salary employment declined 600 between February 1990 and February 1991. The number of jobs in goods-producing industries fell 5,000 below the year-ago level with cutbacks in manufacturing and construction. Moderate losses occurred in industrial machinery and equipment, transportation equipment, fabricated metal products, and printing and publishing. Expansion in the service-producing sector added 4,400 employees to the workforce. Leading growth industries were services (+2,300) and retail trade (+1,200).

Seasonally adjusted employment in the Dayton-Springfield area totaled 451,000 in February 1991, down 1,000 from January. Scattered declines, especially in manufacturing, negated nominal gains in transportation and public utilities and services. Since February 1990, nonfarm payroll employment decreased 1,000. Over-the-year losses in manufacturing and construction negated growth in service-producing industries, particularly services.





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
476.8	451.5	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
473.2	444.8	28.4	6.0	February	445.2	101.9	65.7	545.02	41.7	13.07
473.9	447.4	26.4	5.6	March	449.2	102.2	66.0	553.92	41.9	13.22
471.8	447.5	24.3	5.1	April	450.5	102.7	66.6	539.23	41.1	13.12
472.5	447.6	24.9	5.3	May	453.9	103.3	67.1	583.08	43.0	13.56
477.8	452.8	25.0	5.2	June	455.3	104.3	67.8	605.68	43.7	13.86
474.5	452.6	21.9	4.6	July	449.6	103.9	67.0	570.54	42.2	13.52
480.1	458.0	22.1	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
477.3	455.0	22.3	4.7	September	456.3	103.2	66.9	590.04	43.1	13.69
482.1	454.7	27.4	5.7	October	456.4	102.6	66.8	580.98	42.5	13.67
480.2	455.8	24.4	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
480.9	456.0	24.9	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
468.4	438.8	29.6	6.3	January	445.6	100.1	64.6	562.51	41.3	13.62
INA	INA	INA	INA	February	444.5	98.6	63.1	549.58	40.8	13.47

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
452	121	18	103	February	331	18	20	82	17	118	76
454	121	18	103	March	333	18	20	82	17	118	77
451	120	17	103	April	330	18	20	82	17	117	76
453	120	16	103	May	333	18	20	82	17	118	77
453	120	16	104	June	333	18	20	82	17	118	77
453	120	16	104	July	333	18	20	82	17	118	78
454	119	16	103	August	336	19	20	82	17	119	79
452	118	16	102	September	334	19	20	82	17	119	77
451	118	15	102	October	333	18	20	82	17	119	77
451	117	15	101	November	334	18	20	82	18	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
452	117	16	101	January	335	19	20	83	18	119	77
451	116	16	100	February	335	19	20	83	18	120	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	444.5	445.6	445.2	-1.0	-.6
Goods-Producing Industries[e]	112.2	114.1	117.2	-1.8	-5.0
Construction	13.3	13.6	14.9	-.3	-1.6
Manufacturing	98.6	100.1	101.9	-1.6	-3.4
Durable Goods[f]	69.8	71.0	73.1	-1.2	-3.3
Fabricated Metal Products	7.7	7.8	8.3	-.1	-.6
Industrial Machinery and Equipment	29.4	30.1	30.7	-.7	-1.3
Metalworking Machinery	7.8	8.0	8.4	-.2	-.6
General Industrial Machinery	2.8	2.9	2.9	-.1	-.1
Electronic and Other Electric Equipment	3.4	3.4	3.5	.0	-.1
Transportation Equipment	20.6	21.1	21.5	-.4	-.8
Motor Vehicles and Equipment	17.7	18.1	18.3	-.4	-.6
Nondurable Goods[g]	28.8	29.2	28.9	-.4	-.1
Food and Kindred Products	2.6	2.7	2.5	-.1	.1
Paper and Allied Products	6.4	6.5	6.2	-.1	.2
Printing and Publishing	8.6	8.7	9.0	.0	-.4
Rubber and Miscellaneous Plastics Products	7.5	7.8	7.8	-.4	-.3
Service-Producing Industries	332.3	331.5	327.9	.8	4.4
Transportation and Public Utilities	18.2	18.1	18.0	.2	.2
Transportation	11.7	11.5	11.7	.2	.0
Trucking and Warehousing	5.6	5.5	5.8	.1	-.2
Communications, Electric, Gas Services	6.5	6.5	6.3	.0	.2
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	19.7	19.6	20.0	.0	-.3
Wholesale Trade-Durable Goods	13.4	13.4	13.7	.0	-.3
Wholesale Trade-Nondurable Goods	6.3	6.3	6.2	.0	.1
Retail Trade	80.1	81.4	79.0	-1.3	1.2
General Merchandise Stores	12.4	13.0	11.8	-.7	.5
Finance, Insurance, and Real Estate	17.5	17.4	17.0	.1	.4
Finance	9.6	9.5	9.4	.1	.1
Depository Institutions	7.3	7.3	7.2	.0	.2
Insurance	4.6	4.6	4.3	.0	.3
Services	118.9	117.1	116.6	1.8	2.3
Business Services	23.6	23.4	22.5	.2	1.1
Personnel Supply Services	6.7	6.5	6.3	.1	.4
Computer and Data Processing Services	6.0	6.0	5.2	.0	.8
Health Services	39.3	39.3	38.9	.0	.4
Nursing and Personal Care Facilities	6.9	7.0	7.0	.0	.0
Hospitals	19.9	19.9	20.0	.0	-.2
Educational Services	9.6	8.8	9.6	.9	.0
Social Services	6.5	6.4	6.2	.1	.3
Engineering and Management Services	10.4	10.2	10.3	.2	.1
Research and Testing Services	3.1	3.1	3.2	.0	.0
Government	77.9	77.9	77.3	.0	.6
Federal Government	28.1	28.1	29.3	.0	-1.2
State Government	7.4	7.6	7.1	-.2	.3
State Government Education[h]	4.5	4.7	4.2	-.2	.3
Local Government	42.4	42.2	40.9	.3	1.5
Local Government Education	26.7	26.4	25.8	.3	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

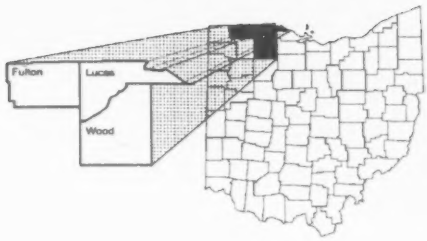
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$549.58	$562.51	$545.02	40.8	41.3	41.7	$13.47	$13.62	$13.07
Durable Goods[f]	571.03	587.86	567.17	41.2	41.9	42.2	13.86	14.03	13.44
Fabricated Metal Products	396.50	403.92	410.52	40.5	40.8	41.3	9.79	9.90	9.94
Industrial Machinery and Equipment	612.00	620.33	584.38	42.5	42.9	42.5	14.40	14.46	13.75
Metalworking Machinery	550.92	579.88	580.21	41.8	43.6	44.7	13.18	13.30	12.98
General Industrial Machinery	588.41	574.12	495.36	47.3	46.3	43.0	12.44	12.40	11.52
Electronic and Other Electric Equipment	384.14	383.40	376.94	42.4	42.6	42.4	9.06	9.00	8.89
Transportation Equipment	692.71	718.12	701.56	40.7	41.8	42.7	17.02	17.18	16.43
Motor Vehicles and Equipment	693.73	722.43	709.29	40.1	41.4	42.6	17.30	17.45	16.65
Nondurable Goods[g]	492.33	494.27	479.99	39.8	39.7	40.2	12.37	12.45	11.94
Food and Kindred Products	337.51	335.14	333.38	39.2	38.7	38.1	8.61	8.66	8.75
Paper and Allied Products	477.71	486.64	474.99	40.9	41.7	42.6	11.68	11.67	11.15
Printing and Publishing	449.49	453.12	458.99	37.9	38.4	39.5	11.86	11.80	11.62
Rubber and Miscellaneous Plastics Products	633.16	628.84	598.69	39.4	39.5	38.6	16.07	15.92	15.51
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	603.39	600.92	562.31	41.3	41.3	40.6	14.61	14.55	13.85
Communications	632.85	626.75	554.19	41.8	41.7	39.5	15.14	15.03	14.03
Wholesale Trade	399.91	395.22	395.00	39.4	38.9	39.5	10.15	10.16	10.00
Retail Trade[f]	178.75	177.10	169.91	27.8	27.5	27.9	6.43	6.44	6.09
General Merchandise Stores	192.64	192.24	176.20	28.0	27.7	26.9	6.88	6.94	6.55
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	282.33	286.15	273.68	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	415.68	415.72	405.23	34.1	34.3	34.4	12.19	12.12	11.78

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

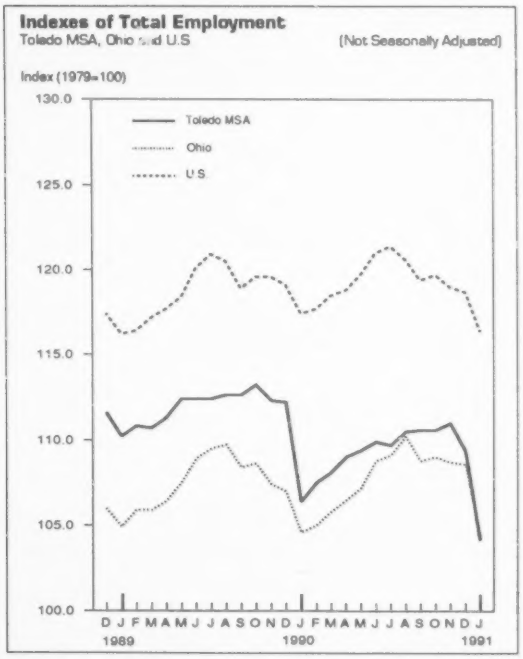
Toledo Metropolitan Statistical Area

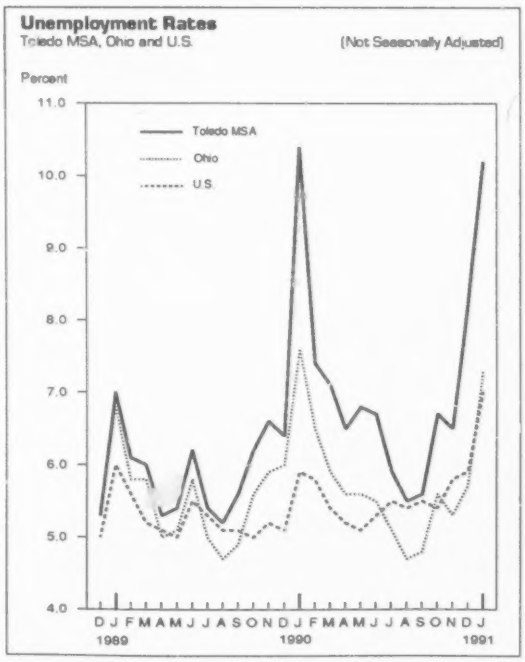


In the Toledo metropolitan area, total nonfarm payroll employment declined 1,900 below the January level to 279,800 in February 1991. Production cutbacks in manufacturing, especially transportation equipment, and modest reductions in construction lowered employment in goods-producing industries 1,300 over the month to 62,800. The number of employees in service-producing industries declined 600 as seasonal layoffs in retail trade more than offset an increase of nonteaching personnel in state schools and colleges. Manufacturing production workers averaged $13.31 per hour, down slightly from January. Their average workweek of 42.3 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment fell 6,100 between February 1990 and February 1991. Employment in goods-producing industries dropped 6,800 due to over-the-year reductions in manufacturing, particularly transportation equipment (-5,300), and moderate declines in construction. The workforce in service-producing industries added 600 jobs during the period. Expansion in services outweighed decreases in local government and retail trade.

Seasonally adjusted employment in the Toledo area totaled 285,000 in February 1991, down 1,000 from January due to a decrease in government. Since February 1990, nonfarm payroll employment declined 6,000. Significant cutbacks in manufacturing negated modest growth in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	261.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	291.9	61.5	43.9	576.81	43.5	13.26
313.9	292.1	21.8	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
310.3	287.3	23.0	7.4	February	286.0	58.9	42.1	551.34	41.8	13.19
310.8	288.8	21.9	7.1	March	288.4	58.9	42.1	588.60	43.6	13.50
311.5	291.2	20.4	6.5	April	291.2	59.7	43.1	581.79	43.0	13.53
313.5	292.2	21.2	6.8	May	294.0	60.0	43.2	589.37	43.4	13.58
314.9	293.7	21.2	6.7	June	293.1	60.7	43.7	585.90	43.4	13.50
311.6	293.1	18.5	5.9	July	288.9	60.4	43.4	576.09	42.8	13.46
312.3	295.2	17.1	5.5	August	288.4	60.4	43.5	584.87	43.1	13.57
312.9	295.4	17.5	5.6	September	294.4	61.1	44.2	610.94	44.4	13.76
316.7	295.4	21.2	6.7	October	294.8	59.5	42.8	585.30	43.1	13.58
317.3	296.6	20.7	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
318.4	292.3	26.1	8.2	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
310.1	278.4	31.7	10.2	January	281.7	53.9	37.2	566.95	42.5	13.34
INA	INA	INA	INA	February	279.8	52.9	36.4	563.01	42.3	13.31

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
291	72	12	59	February	219	15	15	57	12	76	44
292	72	13	59	March	220	15	15	57	12	76	44
291	73	13	60	April	219	15	15	57	12	76	44
292	73	12	60	May	219	15	15	57	12	76	44
293	73	12	61	June	221	15	15	57	12	76	45
292	73	12	61	July	219	15	15	57	12	77	43
292	72	12	60	August	220	14	15	57	12	77	44
292	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	219	15	15	56	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
286	66	11	55	December	220	15	15	56	12	78	44
				1991							
286	66	11	54	January	220	15	15	56	12	78	44
285	65	11	54	February	220	15	15	56	12	78	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	279.8	281.7	286.0	-1.9	-6.1
Goods-Producing Industries[e]	62.8	64.1	69.6	-1.3	-6.8
Construction	9.7	10.0	10.5	-.3	-.8
Manufacturing	52.9	53.9	58.9	-1.0	-6.0
Durable Goods[f]	38.5	39.2	44.0	-.8	-5.6
Stone, Clay, and Glass Products	7.6	7.6	8.1	.0	-.5
Primary Metal Industries	2.9	3.0	3.1	-.1	-.2
Fabricated Metal Products	6.0	5.8	6.4	.2	-.4
Metal Forgings and Stampings	2.3	2.1	2.6	.2	-.3
Industrial Machinery and Equipment	5.8	5.8	5.6	-.1	.2
Transportation Equipment	8.9	9.8	14.2	-.9	-5.3
Nondurable Goods[g]	14.5	14.7	14.9	-.2	-.4
Food and Kindred Products	3.6	3.7	3.8	-.1	-.2
Rubber and Miscellaneous Plastics Products	3.5	3.6	3.7	-.1	-.2
Service-Producing Industries	217.0	217.6	216.4	-.6	.6
Transportation and Public Utilities	14.2	14.2	14.3	.1	-.1
Transportation	9.4	9.3	9.6	.1	-.1
Communications, Electric, Gas Services	4.8	4.8	4.7	.0	.1
Wholesale Trade	14.9	15.0	15.1	-.1	-.2
Wholesale Trade-Durable Goods	9.7	9.7	9.8	-.1	-.2
Wholesale Trade-Nondurable Goods	5.2	5.3	5.2	-.1	.0
Retail Trade	54.5	55.6	54.9	-1.2	-.4
General Merchandise Stores	8.1	8.8	8.3	-.7	-.2
Finance, Insurance, and Real Estate	11.9	11.9	12.0	-.1	-.1
Finance	6.2	6.2	6.3	.0	-.2
Insurance	3.7	3.7	3.8	.0	-.1
Services	76.5	76.4	74.3	.1	2.2
Business Services	12.3	12.4	12.4	-.1	-.1
Personnel Supply Services	4.4	4.4	4.3	.0	.1
Health Services	28.6	28.6	27.8	.0	.9
Nursing and Personal Care Facilities	4.1	4.1	4.2	.0	.0
Hospitals	15.5	15.5	15.1	-.1	.3
Engineering and Management Services	6.1	6.1	6.0	.0	.1
Government	45.1	44.5	45.8	.6	-.7
Federal Government	2.5	2.5	2.6	.0	-.1
State Government	17.3	16.8	17.4	.5	-.1
State Government Education[h]	13.1	12.6	13.1	.5	.0
Local Government	25.3	25.2	25.8	.1	-.5
Local Government Education	15.0	14.9	15.3	.1	-.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

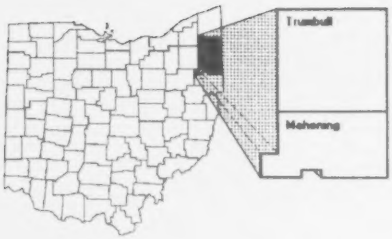
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$563.01	$566.95	$551.34	42.3	42.5	41.8	$13.31	$13.34	$13.19
Durable Goods[f]	562.10	573.40	560.70	42.2	42.6	42.0	13.32	13.46	13.35
Stone, Clay, and Glass Products	535.94	533.82	485.48	42.3	42.0	40.9	12.67	12.71	11.87
Primary Metal Industries	499.47	498.20	459.50	42.4	42.4	40.7	11.78	11.75	11.29
Fabricated Metal Products	490.53	508.56	485.62	41.5	42.7	41.4	11.82	11.91	11.73
Metal Forgings and Stampings	649.63	693.77	632.81	40.2	42.2	40.8	16.16	16.44	15.51
Industrial Machinery and Equipment	488.46	490.14	498.50	41.5	42.0	42.9	11.77	11.67	11.62
Transportation Equipment	743.09	746.85	708.93	41.7	42.1	42.4	17.82	17.74	16.72
Nondurable Goods[g]	564.40	549.48	520.77	42.5	42.3	41.2	13.28	12.99	12.64
Food and Kindred Products	633.36	616.46	611.59	43.5	43.2	43.1	14.56	14.27	14.19
Rubber and Miscellaneous Plastics Products	342.94	346.73	350.64	39.6	39.9	39.8	8.66	8.69	8.81
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	646.57	646.25	733.38	41.5	41.4	44.8	15.58	15.61	16.37
Wholesale Trade	422.50	423.39	413.03	40.2	40.4	40.1	10.51	10.48	10.30
Retail Trade[i]	164.11	167.01	163.08	26.3	26.3	27.0	6.24	6.35	6.04
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	354.54	351.79	373.99	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

Youngstown-Warren Metropolitan Statistical Area

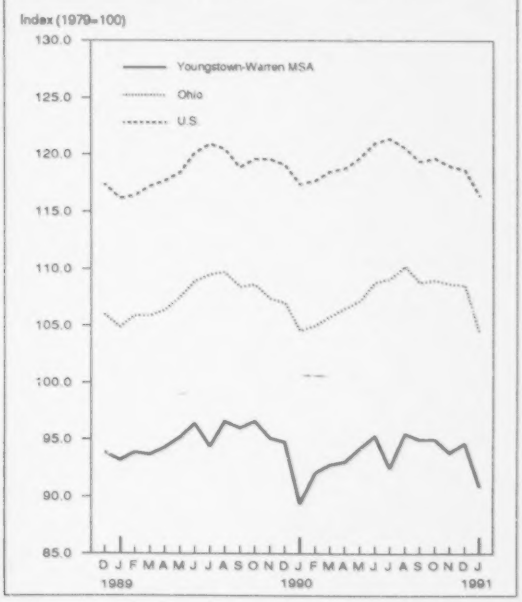


Nonfarm payroll employment in the Youngstown-Warren metropolitan area increased 800 from the January level to 193,500 in February 1991. The return of workers from temporary layoffs in durable-goods manufacturing, especially transportation equipment and primary metal industries, raised employment in goods-producing industries 900 over the month to 54,300. Employment in service-producing industries declined 200 as seasonal decreases in retail trade more than offset an increase of nonteaching personnel in state schools and colleges. Manufacturing production workers averaged $15.40 per hour, up fractionally from January. Their average workweek was 0.7 hours shorter at 41.9 hours.

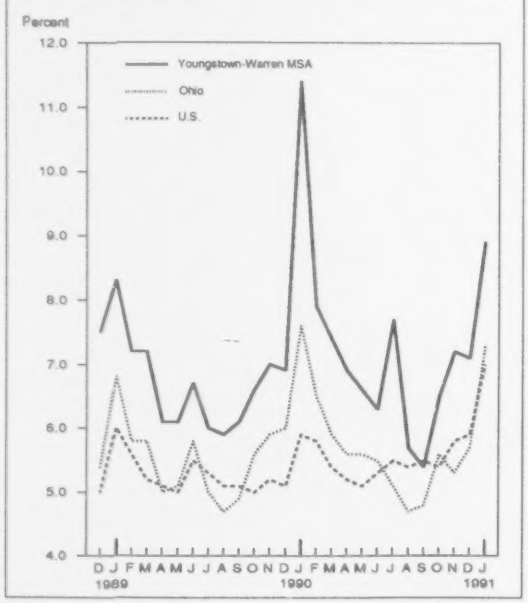
Nonagricultural wage and salary employment declined 900 between February 1990 and February 1991. Over-the-year production cutbacks in durable-goods manufacturing, primarily transportation equipment and primary metal industries, and decreases in construction lowered employment in goods-producing industries 2,000. Expansion in the service-producing sector created 1,000 jobs. Growth in services, wholesale trade, and local government outweighed reductions in transportation and public utilities.

Seasonally adjusted employment in the Youngstown-Warren area totaled 198,000 in February 1991, up 1,000 from January due to the return of employees from temporary layoffs in manufacturing. Since February 1990, nonfarm payroll employment declined 1,000. Scattered decreases negated nominal growth in services.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
221.8	205.9	15.9	7.2	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
219.9	202.5	17.4	7.9	February	194.4	48.9	36.7	591.63	41.9	14.12
220.2	204.0	16.3	7.4	March	196.6	49.0	36.8	596.24	41.9	14.23
219.9	204.7	15.2	6.9	April	197.7	49.2	37.0	602.45	42.1	14.31
221.8	207.2	14.7	6.6	May	201.3	49.8	37.5	628.72	43.3	14.52
223.7	209.6	14.1	6.3	June	202.0	50.5	38.1	636.08	43.3	14.69
220.2	203.3	16.9	7.7	July	193.4	43.9	31.4	604.56	42.1	14.36
222.8	210.0	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
220.9	209.0	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
223.3	208.8	14.5	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
222.4	206.4	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
224.3	208.3	16.0	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
219.5	199.9	19.6	8.9	January	192.7	46.3	34.0	655.19	42.6	15.38
INA	INA	INA	INA	February	193.5	47.5	35.3	645.26	41.9	15.40

INA – Information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
199	59	9	49	February	140	8	11	42	9	47	24
200	58	9	49	March	141	8	11	42	9	48	24
198	58	8	49	April	141	7	11	42	8	48	24
199	58	8	50	May	141	7	11	42	8	48	25
199	59	8	50	June	141	7	11	42	8	48	24
194	54	8	45	July	141	7	11	42	8	48	24
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	49	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
196	55	8	46	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
197	55	8	47	January	142	7	11	42	8	48	24
198	56	8	48	February	141	7	11	42	8	48	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	193.5	192.7	194.4	.8	-.9
Goods-Producing Industries[e]	54.3	53.4	56.3	.9	-2.0
Construction	6.4	6.7	6.9	-.3	-.5
Manufacturing	47.5	46.3	48.9	1.2	-1.4
Durable Goods[f]	42.3	40.9	43.8	1.4	-1.5
Primary Metal Industries	17.9	17.5	18.4	.4	-.5
Blast Furnace and Basic Steel Products	6.6	6.5	6.4	.1	.2
Fabricated Metal Products	6.9	7.0	6.9	-.1	.0
Metal Forgings and Stampings	3.7	3.9	3.5	-.2	.2
Industrial Machinery and Equipment	4.2	4.2	4.4	.0	-.2
Transportation Equipment	8.7	7.4	9.3	1.2	-.6
Nondurable Goods[g]	5.3	5.4	5.1	-.2	.2
Service-Producing Industries	139.2	139.4	138.2	-.2	1.0
Transportation and Public Utilities	7.0	6.9	7.3	.0	-.4
Wholesale Trade	11.2	11.2	10.8	.0	.4
Wholesale Trade-Durable Goods	6.4	6.4	6.6	.0	-.1
Wholesale Trade-Nondurable Goods	4.8	4.7	4.3	.0	.5
Retail Trade	40.7	41.5	40.6	-.8	.1
General Merchandise Stores	5.3	5.7	5.6	-.4	-.3
Finance, Insurance, and Real Estate	8.3	8.3	8.5	.0	-.2
Finance	4.7	4.7	4.6	.0	.0
Services	47.0	46.8	46.2	.2	.8
Health Services	21.4	21.5	21.1	-.1	.3
Nursing and Personal Care Facilities	5.0	5.0	5.0	.0	.1
Hospitals	10.6	10.7	10.7	-.1	-.1
Government	25.0	24.7	24.7	.3	.3
State Government	4.5	4.0	4.6	.4	-.1
State Government Education[h]	3.0	2.6	3.1	.4	-.1
Local Government	18.5	18.6	18.0	-.1	.4
Local Government Education	11.9	11.9	11.6	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

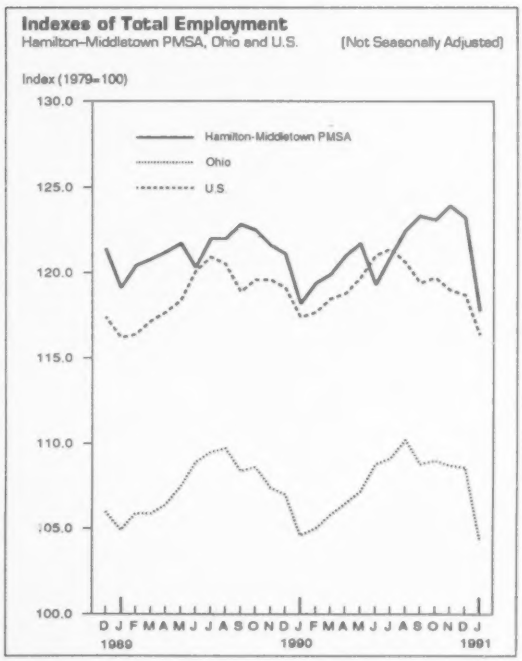
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$645.26	$655.19	$591.63	41.9	42.6	41.9	$15.40	$15.38	$14.12
Durable Goods[f]	664.34	676.67	606.48	42.1	42.8	42.0	15.78	15.81	14.44
Primary Metal Industries	654.72	654.36	641.29	41.1	41.0	41.4	15.93	15.96	15.49
Blast Furnace and Basic Steel Products	690.49	665.93	672.95	47.1	45.8	46.7	14.66	14.54	14.41
Fabricated Metal Products	649.69	638.50	582.77	41.7	41.3	42.6	15.58	15.46	13.68
Metal Forgings and Stampings	802.77	786.04	689.61	43.7	43.0	42.7	18.37	18.28	16.15
Industrial Machinery and Equipment	538.00	543.92	539.57	42.8	43.1	43.2	12.57	12.62	12.49
Transportation Equipment	842.27	942.25	678.78	45.9	50.2	43.4	18.35	18.77	15.64
Nondurable Goods[g]	440.19	441.17	428.45	39.8	40.4	41.0	11.06	10.92	10.45
Wholesale Trade	375.72	378.60	385.67	37.2	37.3	38.8	10.10	10.15	9.94
Retail Trade[i]	179.94	182.09	177.51	27.1	26.7	27.1	6.64	6.82	6.55
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	235.07	231.74	227.34	....	....	....	.....	.....	.....

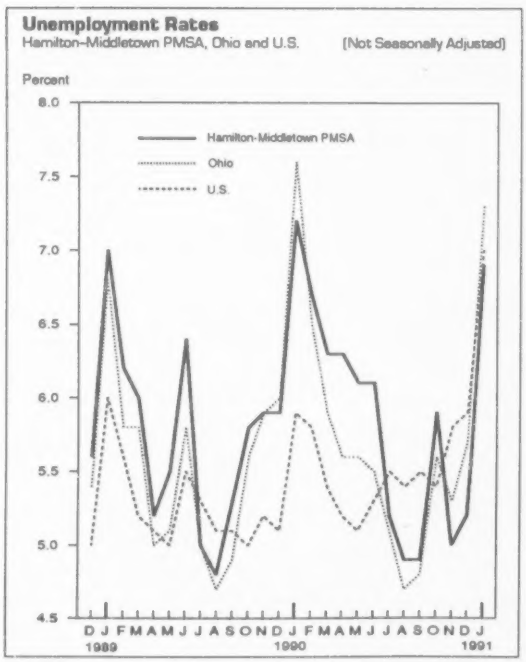
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Hamilton-Middletown
Primary Metropolitan Statistical Area

Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area totaled 95,000 in February 1991, down 100 from the January level. Reductions among manufacturers of durable goods, especially primary metal industries and fabricated metal products, and declines in construction and mining lowered employment in goods-producing industries 500 to 25,500. The return of nonteaching personnel in state and local schools and colleges outweighed seasonal layoffs in retail trade to raise employment in service-producing industries 400. Manufacturing production workers averaged $14.18 per hour, down 30 cents from January. Their average workweek was 1.9 hours shorter at 43.7 hours.

Total nonfarm wage and salary employment was unchanged between February 1990 and February 1991. The service-producing sector added 1,300 jobs. Noteworthy gains in local schools and services negated decreases in retail trade. Employment in goods-producing industries fell 1,300 due to production cutbacks in manufacturing, particularly primary metal industries and industrial machinery and equipment, and less business in construction and mining.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	130.1	133.4	130.8	-3.4	-.8
Employment	121.0	126.5	121.4	-5.4	-.3
Unemployment	9.0	7.0	9.5	2.1	-.4
Unemployment Rate	6.9	5.2	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	95.0	95.1	95.0	-.1	.0
Goods–Producing Industries	25.5	26.0	26.9	-.5	-1.3
Construction and Mining	4.7	4.8	5.3	-.1	-.6
Manufacturing	20.8	21.2	21.5	-.4	-.7
Durable Goods	14.4	14.8	15.1	-.4	-.7
Primary Metal Industries	6.5	6.9	6.7	-.3	-.2
Fabricated Metal Products	2.4	2.4	2.5	-.1	-.1
Industrial Machinery and Equipment	2.3	2.3	2.5	.0	-.2
Nondurable Goods	6.4	6.4	6.4	.0	.0
Paper and Allied Products	4.5	4.5	4.7	.0	-.1
Paper Mills	3.3	3.3	3.4	.0	-.1
Service–Producing Industries	69.5	69.1	68.1	.4	1.3
Transportation and Public Utilities	3.4	3.4	3.4	.0	.0
Wholesale Trade	5.8	5.8	5.8	.0	.0
Wholesale Trade–Durable Goods	3.9	3.9	3.8	.0	.0
Retail Trade	17.2	17.3	17.5	-.2	-.3
Food Stores	3.3	3.4	3.2	.0	.1
Finance, Insurance, and Real Estate	4.5	4.5	4.5	.0	.0
Services	19.2	19.1	18.6	.1	.6
Health Services	9.0	9.0	8.3	.0	.8
Government	19.4	18.9	18.3	.5	1.1
State Government (Includes Education)	7.7	7.3	7.7	.4	.0
Local Government	11.0	10.9	10.0	.1	1.0
Local Government Education	7.6	7.5	6.7	.1	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

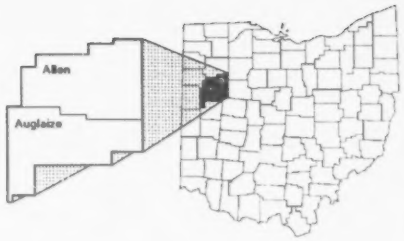
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$619.67	$660.29	$584.73	43.7	45.6	43.8	$14.18	$14.48	$13.35
Durable Goods	624.24	680.24	596.12	43.2	45.9	43.8	14.45	14.82	13.61
Primary Metal Industries	670.21	767.02	648.71	43.1	47.7	44.1	15.55	16.08	14.71
Fabricated Metal Products	554.17	555.97	511.21	42.4	42.8	41.8	13.07	12.99	12.23
Industrial Machinery and Equipment	651.85	624.46	624.96	46.1	44.7	48.0	14.14	13.97	13.02
Nondurable Goods	607.05	604.79	554.12	44.9	44.7	43.7	13.52	13.53	12.68
Paper and Allied Products	644.84	643.03	567.57	47.0	46.8	44.1	13.72	13.74	12.87
Paper Mills	621.50	638.45	574.65	45.2	45.8	43.9	13.75	13.94	13.09
Wholesale Trade	430.94	434.83	456.67	40.2	40.6	42.6	10.72	10.71	10.72
Retail Trade[f]	170.27	172.80	169.68	27.2	27.0	27.5	6.26	6.40	6.17

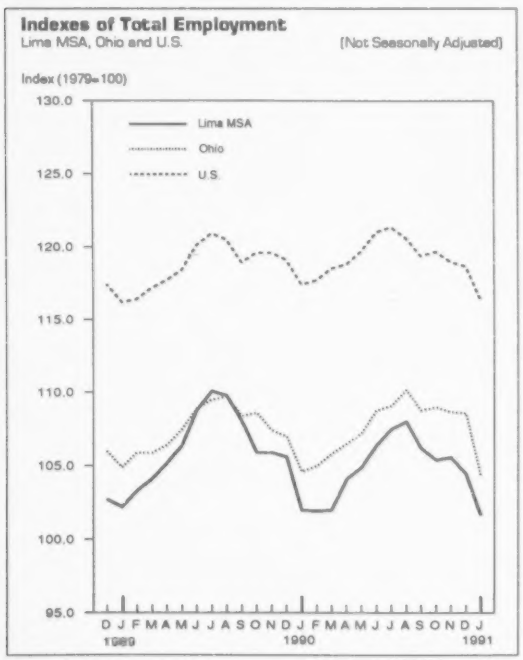
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

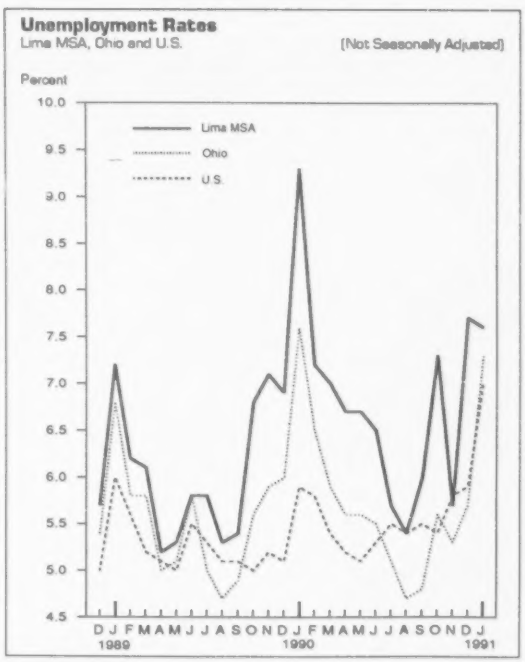
Lima Metropolitan Statistical Area



Nonagricultural payroll employment in the Lima metropolitan area totaled 71,200 in February 1991, down 700 from January. Seasonal decreases in retail trade lowered employment in service-producing industries 400. Employment in goods-producing industries declined 300 over the month to 24,900 due to reductions in manufacturing, especially transportation equipment and rubber and miscellaneous plastics products. Factory production workers averaged $13.71 per hour, up fractionally from January. Their average workweek was 0.7 hours shorter at 41.8 hours.

Nonfarm wage and salary employment advanced 200 between February 1990 and February 1991. Expansion in service-producing industries created 700 jobs. Growth in services and local government outweighed declines in retail trade. Over-the-year losses in construction and mining and in manufacturing lowered employment in goods-producing industries 600. Production cutbacks in transportation equipment and industrial machinery and equipment more than offset gains in fabricated metal products, food and kindred products, and rubber and miscellaneous plastics products.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	76.1	78.3	77.7	-2.2	-1.6
Employment	70.3	72.2	70.5	-2.0	-.2
Unemployment	5.8	6.0	7.2	-.2	-1.4
Unemployment Rate	7.6	7.7	9.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	71.2	71.9	71.0	-.7	.2
Goods–Producing Industries	24.9	25.2	25.4	-.3	-.6
Construction and Mining	2.6	2.7	3.0	.0	-.4
Manufacturing	22.3	22.5	22.5	-.3	-.2
Durable Goods	15.7	15.9	16.2	-.2	-.5
Fabricated Metal Products	2.6	2.6	2.4	.0	.2
Industrial Machinery and Equipment	4.0	4.0	4.2	.0	-.2
Transportation Equipment	6.6	6.7	6.9	-.1	-.3
Motor Vehicles and Equipment	3.5	3.5	3.5	-.1	-.1
Nondurable Goods	6.5	6.6	6.2	-.1	.3
Food and Kindred Products	1.8	1.8	1.7	.0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	-.1	.1
Service–Producing Industries	46.3	46.7	45.6	-.4	.7
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	3.4	3.4	3.4	.0	.0
Retail Trade	12.9	13.3	13.2	-.4	-.2
General Merchandise Stores	2.0	2.2	2.1	-.1	.0
Finance, Insurance, and Real Estate	2.0	2.1	2.0	.0	.0
Services	15.3	15.3	14.6	-.1	.7
Health Services	6.6	6.6	6.3	.0	.3
Hospitals	3.2	3.2	3.1	.0	.1
Government	9.8	9.6	9.5	.2	.3
Local Government	7.4	7.2	7.1	.1	.2
Local Government Education	4.3	4.2	4.1	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

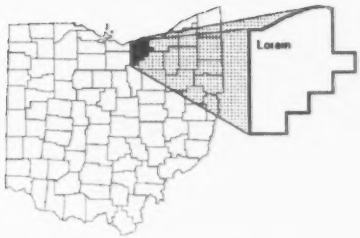
Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$573.08	$582.25	$559.26	41.8	42.5	42.4	$13.71	$13.70	$13.19
Durable Goods	561.50	574.10	548.98	41.5	42.4	42.1	13.53	13.54	13.04
Fabricated Metal Products	356.59	368.24	369.41	39.1	40.6	41.6	9.12	9.07	8.88
Industrial Machinery and Equipment	471.23	500.76	461.62	39.8	41.8	40.6	11.84	11.98	11.37
Transportation Equipment	698.83	705.14	694.77	42.2	42.3	43.1	16.56	16.67	16.12
Motor Vehicles and Equipment	770.56	778.82	780.23	43.0	43.1	45.1	17.92	18.07	17.30
Nondurable Goods	604.07	602.07	587.95	42.6	42.7	43.2	14.18	14.10	13.61
Food and Kindred Products	390.18	392.46	398.82	42.0	42.2	41.5	9.29	9.30	9.61
Rubber and Miscellaneous Plastics Products	676.70	625.22	618.62	45.6	43.6	46.2	14.84	14.34	13.39
Wholesale Trade	371.33	367.87	371.91	38.4	38.2	38.5	9.67	9.63	9.66
Retail Trade[f]	181.61	180.05	186.58	28.6	28.9	29.9	6.35	6.23	6.24
General Merchandise Stores	170.66	177.47	164.38	26.5	27.6	26.3	6.44	6.43	6.25

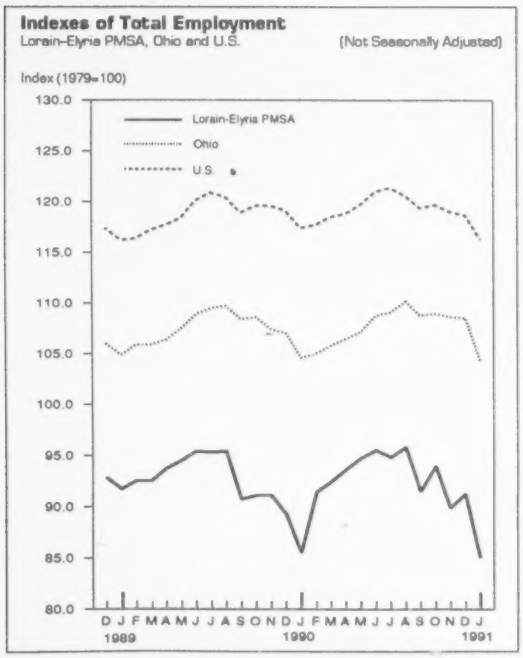
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

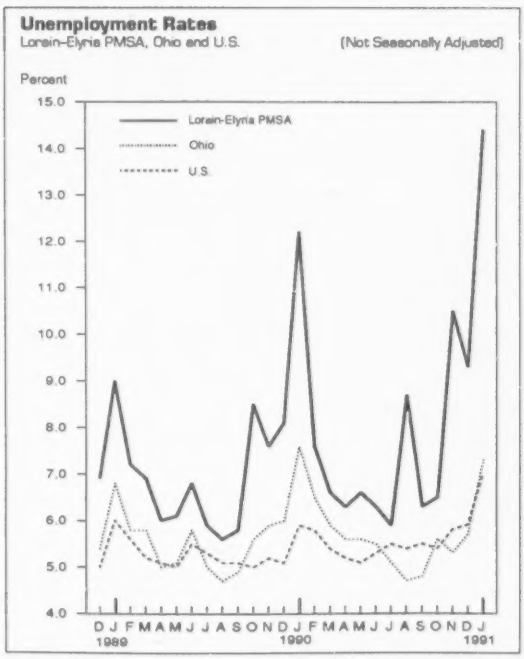
Lorain-Elyria Primary Metropolitan Statistical Area



In the Lorain-Elyria metropolitan area, total nonfarm wage and salary employment rose 2,600 from the January level to 89,500 in February 1991. The return of workers from temporary layoffs in durable-goods manufacturing, primarily transportation equipment, raised employment in goods-producing industries 2,300 to 29,800. The service-producing sector added 300 jobs. Gains in services and an increase of nonteaching personnel in local schools outweighed seasonal decreases in retail trade. Manufacturing production workers averaged $13.08 per hour, up 49 cents from January. Their average workweek of 41.6 hours was 0.8 hours shorter.

Nonagricultural payroll employment fell 2,000 between February 1990 and February 1991. Reduced production in durable-goods manufacturing, especially transportation equipment, and declines in construction and mining lowered employment in goods-producing industries 2,700 below the year-ago level. Employment in service-producing industries advanced 700 due to expansion in local schools and in services, particularly health services.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	118.6	120.0	116.2	-1.4	2.4
Employment	101.5	108.9	102.0	-7.4	-.5
Unemployment	17.1	11.1	14.2	6.0	3.0
Unemployment Rate	14.4	9.3	12.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	89.5	86.9	91.5	2.6	-2.0
Goods–Producing Industries	29.8	27.5	32.5	2.3	-2.7
Construction and Mining	4.2	4.2	4.5	.0	-.3
Manufacturing	25.6	23.3	28.1	2.3	-2.4
Durable Goods	21.1	18.6	23.6	2.4	-2.5
Primary Metal Industries	4.4	4.4	4.2	.0	.2
Fabricated Metal Products	3.8	3.9	4.1	-.1	-.2
Transportation Equipment	5.2	2.8	8.0	2.5	-2.8
Nondurable Goods	4.6	4.7	4.5	-.1	.1
Service–Producing Industries	59.7	59.4	59.0	.3	.7
Transportation and Public Utilities	3.2	3.2	3.1	.0	.1
Wholesale Trade	2.5	2.5	2.5	.0	.1
Retail Trade	15.8	16.1	15.9	-.3	-.1
Finance, Insurance, and Real Estate	2.9	2.9	3.1	.0	-.1
Services	20.8	20.5	20.6	.3	.2
Health Services	8.4	8.3	8.1	.1	.3
Hospitals	3.9	3.8	3.8	.1	.0
Government	14.4	14.2	13.8	.2	.6
Local Government	12.2	11.9	11.8	.2	.4
Local Government Education	8.0	7.8	7.8	.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

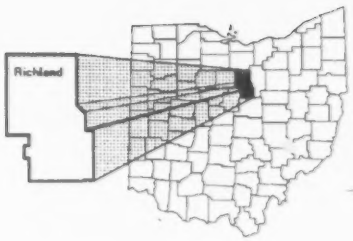
Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$544.13	$533.82	$564.40	41.6	42.4	42.5	$13.08	$12.59	$13.28
Durable Goods	574.43	569.41	589.78	42.3	43.4	42.8	13.58	13.12	13.78
Primary Metal Industries	716.25	715.77	621.28	48.2	48.2	44.0	14.86	14.85	14.12
Fabricated Metal Products	424.58	425.85	425.72	42.8	42.5	42.7	9.92	10.02	9.97
Transportation Equipment	670.40	706.02	729.93	40.0	41.0	43.5	16.76	17.22	16.78
Nondurable Goods	389.61	385.57	415.93	37.9	38.1	41.1	10.28	10.12	10.12
Wholesale Trade	376.11	366.87	367.30	38.3	37.9	38.3	9.82	9.68	9.59
Retail Trade[f]	165.25	165.38	156.37	25.7	25.6	25.1	6.43	6.46	6.23

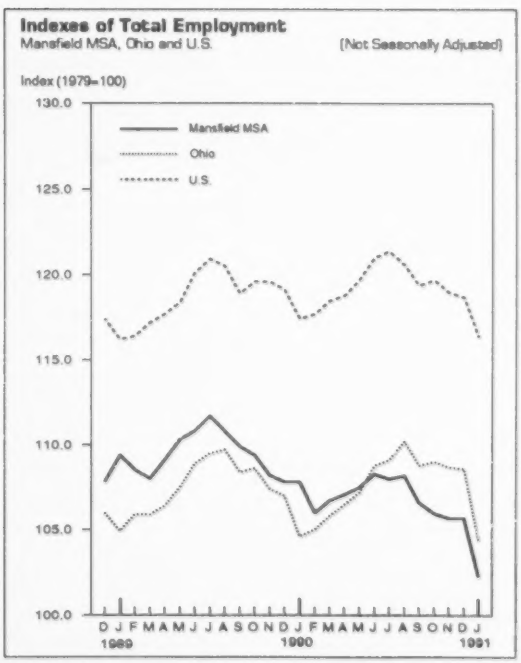
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

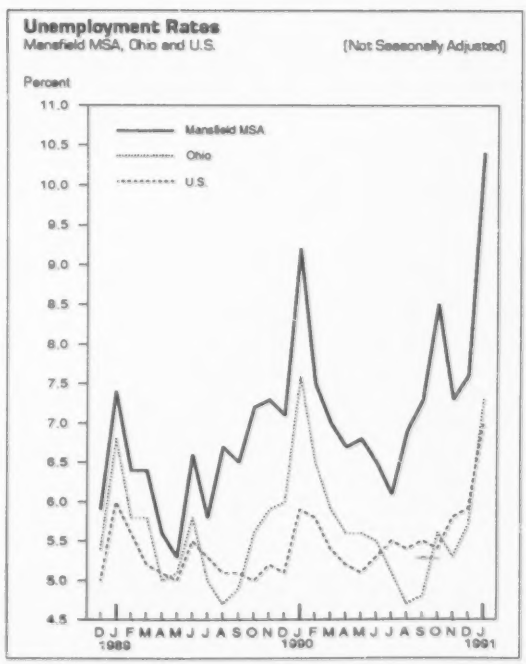
Mansfield Metropolitan Statistical Area



In the Mansfield metropolitan area, nonagricultural payroll employment totaled 56,400 in February 1991, down 300 from the January level. Employment in goods-producing industries, at 18,400, was down 200 over the month due to reductions in durable-goods manufacturing and construction and mining. Seasonal layoffs in retail trade outweighed nominal growth in services and local schools to lower employment in service-producing industries 100. Manufacturing production workers averaged $13.71 per hour, down 15 cents from January. Their average workweek of 39.3 hours was 0.6 hours shorter.

Nonfarm wage and salary employment fell 2,800 between February 1990 and February 1991. Production cutbacks among manufacturers of durable goods, especially electronic and other electric equipment and fabricated metal products, and decreases in construction and mining caused goods-producing industries to lose 2,100 jobs. Declines in retail trade helped lower employment in service-producing industries 700 during the period.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	64.3	64.4	66.8	-.1	-2.5
Employment	57.6	59.5	60.7	-1.9	-3.0
Unemployment	6.7	4.9	6.2	1.8	.6
Unemployment Rate	10.4	7.6	9.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	56.4	56.7	59.1	-.3	-2.8
Goods-Producing Industries	18.4	18.6	20.5	-.2	-2.1
Construction and Mining	1.7	1.8	1.9	-.1	-.2
Manufacturing	16.7	16.8	18.6	-.1	-1.9
Durable Goods	14.7	14.9	16.6	-.2	-1.9
Fabricated Metal Products	5.1	5.1	5.4	.0	-.3
Electronic and Other Electric Equipment	2.4	2.4	3.5	.0	-1.1
Nondurable Goods	2.0	1.9	2.0	.1	.0
Service-Producing Industries	38.0	38.1	38.7	-.1	-.7
Transportation and Public Utilities	2.9	2.9	3.0	.0	-.1
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	10.3	10.6	10.8	-.3	-.5
Finance, Insurance, and Real Estate	2.2	2.2	2.3	.0	-.1
Services	12.8	12.7	12.7	.1	.1
Health Services	4.5	4.5	4.3	.0	.2
Government	7.6	7.4	7.6	.1	-.1
Local Government	5.7	5.6	5.8	.1	-.2
Local Government Education	4.1	4.0	4.0	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

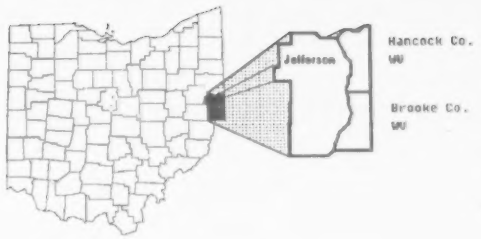
Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$538.80	$553.01	$520.99	39.3	39.9	40.2	$13.71	$13.86	$12.96
Durable Goods	554.96	568.15	534.36	38.7	39.4	39.7	14.34	14.42	13.46
Fabricated Metal Products	689.28	692.62	631.66	38.4	38.5	38.8	17.95	17.99	16.28
Electronic and Other Electric Equipment	427.52	457.71	430.40	40.6	41.8	40.0	10.53	10.95	10.76
Nondurable Goods	400.87	412.43	399.15	44.1	44.3	45.0	9.09	9.31	8.87
Wholesale Trade	331.27	332.03	338.80	40.3	40.1	40.0	8.22	8.28	8.47
Retail Trade[j]	169.07	171.90	161.73	26.5	27.2	26.6	6.38	6.32	6.08

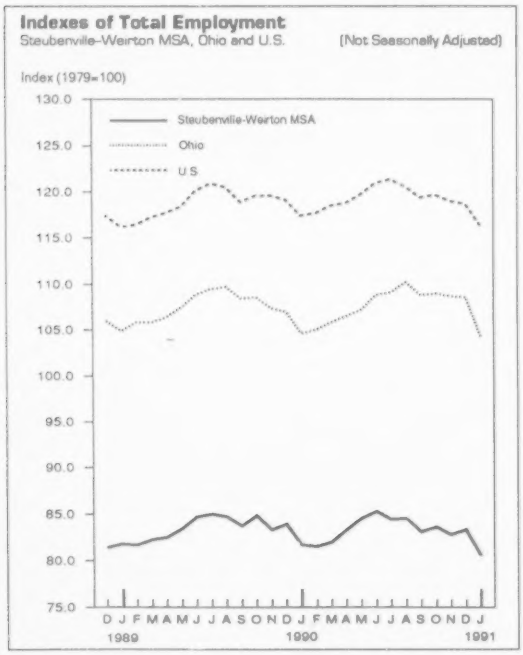
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

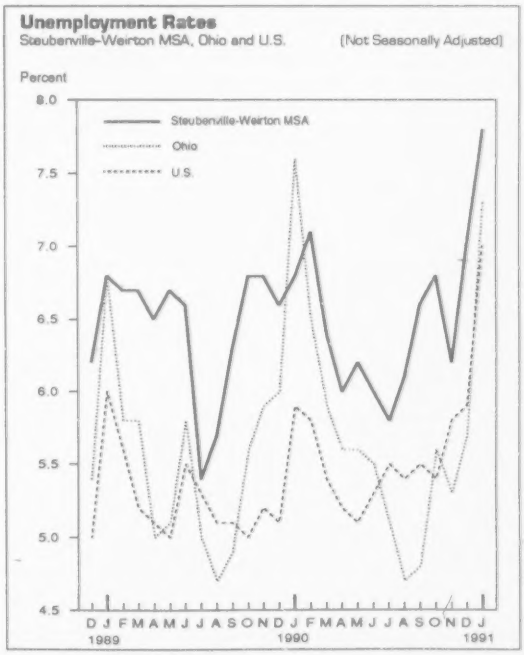
Steubenville-Weirton Metropolitan Statistical Area



Nonfarm wage and salary employment in the Steubenville-Weirton metropolitan area totaled 51,400 in Feb y 1991, up 100 from the January level. Increases in services raised employment in service-producing inc 200. Employment in goods-producing industries declined 100 over the month to 20,200 as less business in construction offset nominal growth in nondurable-goods manufacturing. Factory production workers averaged $11.62 per hour, down 6 cents from January. Their average workweek was 0.5 hours shorter at 43.5 hours.

Nonagricultural payroll employment advanced 500 between February 1990 and February 1991. The service-producing sector added 400 jobs mainly due to growth in services, especially health services. Expansion in construction raised employment in goods-producing industries 100. Manufacturing employment was unchanged over the year. Gains in nondurable-goods manufacturing counterbalanced declines in durable-goods manufacturing, especially primary metal industries.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1991[b]	Dec. 1990[c]	Jan. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	55.3	56.6	55.5	-1.4	-.2
Employment	51.0	52.7	51.7	-1.7	-.7
Unemployment	4.3	4.0	3.8	.3	.5
Unemployment Rate	7.8	7.0	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Total	51.4	51.3	50.9	.1	.5
Goods–Producing Industries	20.2	20.3	20.1	-.1	.1
Mining	.8	.8	.9	.0	.0
Construction	1.8	1.9	1.6	-.1	.2
Manufacturing	17.6	17.6	17.7	.1	.0
Durable Goods	15.9	15.9	16.1	.0	-.2
Primary Metal Industries	12.6	12.6	12.8	.0	-.1
Nondurable Goods	1.8	1.7	1.6	.1	.2
Service–Producing Industries	31.2	31.0	30.8	.2	.4
Transportation and Public Utilities	3.0	3.0	3.1	.0	-.1
Wholesale Trade	1.2	1.2	1.2	.0	.0
Retail Trade	8.5	8.6	8.5	-.1	.0
General Merchandise Stores	1.3	1.4	1.5	-.1	-.2
Finance, Insurance, and Real Estate	1.6	1.6	1.6	.0	.0
Services	10.5	10.3	10.1	.2	.4
Health Services	4.9	4.9	4.7	.0	.2
Hospitals	2.3	2.3	2.4	.0	-.1
Government	6.4	6.3	6.2	.1	.2
Local Government	5.5	5.3	5.4	.1	.1
Local Government Education	3.6	3.5	3.5	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]
Manufacturing	$505.47	$513.92	$495.10	43.5	44.0	42.1	$11.62	$11.68	$11.76
Durable Goods	529.20	535.78	520.22	44.1	44.5	43.1	12.00	12.04	12.07
Primary Metal Industries	562.15	562.15	554.40	44.9	44.9	44.0	12.52	12.52	12.60
Nondurable Goods	257.00	269.35	177.59	37.3	38.7	29.5	6.89	6.96	6.02
Wholesale Trade	332.99	340.85	354.48	39.5	40.1	40.1	8.43	8.50	8.84
Retail Trade[f]	171.67	169.06	159.46	27.6	27.4	26.8	6.22	6.17	5.95

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	February 1991	January 1991	February 1990
New Applicants	28,223	32,863	32,318
Applicants Active This Program Year	465,128	437,191	538,621
Counseling Interviews	735	820	809
Tests Administered	1,089	642	1,557
General Aptitude Tests	504	253	208
Proficiency Tests	195	186	234
Specific Aptitude Tests	0	0	319
Referrals to Jobs	14,041	16,941	17,247
Placements	2,432	2,431	2,326
Job Openings Received	INA	INA	6,849
Job Openings Unfilled	20,693	19,043	15,272

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	February 1991	January 1991	February 1990
Initial Claims	102,746	156,248	73,917
Continued Claims	741,409	805,042	560,333
First Payments	52,345	74,302	37,718
Last Payments	6,168	7,176	4,998
Average Weekly Claimants	178,169	167,802	139,243
Average Weekly Benefit Recipients	158,338	135,113	122,943
Weeks Compensated	652,997	653,702	500,176
Benefits Paid	$115,719,774	$113,545,323	$84,308,058
Average Weekly Payment	$180.63	$179.02	$175.31
Continued Claims for Survey Week	188,896	162,920	131,758
Insured Unemployment Rate	3.8	3.6	3.1
Net Contributions	$52,868,976	$19,840,313	$54,816,776
Active Employer Accounts	208,355	207,729	206,606

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Labor Market Review

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Ohio Labor Market Information

Labor Market Review

March 1991

Summary. The seasonally adjusted unemployment rate in Ohio reached its highest level since March 1988, rising from 7.0 percent in February to 7.3 percent in March 1991. The U.S. rate increased from 6.5 percent to 6.8 percent over the month. Total employment in Ohio was up 66,000 from February to 5,073,000 in March. There were 397,000 unemployed Ohioans in March, up 20,000 from February. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,915,000 in March, rose 4,000 from February. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries dropped 5,000 from February to 1,295,000 in March. The decline occurred in manufacturing employment, especially durable-goods industries. Transportation equipment lost 2,000 jobs, while stone, clay, and glass products, industrial machinery and equipment, and rubber and miscellaneous plastics products were each down 1,000. An increase of 1,000 was noted in primary metal industries. Mining, at 17,000, and construction, at 202,000, were little changed from February.

Service-Producing Industries. There were 3,620,000 people employed in service-producing industries in March, up 9,000 from February. Most of the gain was in services, which rose 5,000. Retail trade was up 3,000; government added 1,000 jobs. Employment in transportation and public utilities, wholesale trade, and finance, insurance, and real estate was virtually unchanged over the month.

Over the Year. Ohio's unemployment rate increased from 5.6 percent in March 1990 to 7.3 percent in March 1991. The national rate rose from 5.3 percent to 6.8 percent during the same period. Total employment in Ohio was down 34,000 from March 1990, while total unemployment was 96,000 higher. Nonfarm payroll employment increased 27,000 over the year. Services added 49,000 jobs and government increased 11,000. All other service-producing industries had small gains over the year. Manufacturing employment was down 41,000 from March 1990. Employment in most durable-goods industries was substantially below the year-ago level. The hardest hit were transportation equipment (-14,000), fabricated metal products (-8,000), and industrial machinery and equipment (-6,000). Mining and construction employment declined fractionally over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of $533.69 in March, up $7.98 from February. Their average workweek of 41.5 hours was 0.3 hours longer. Most manufacturing industries had higher earnings due to more overtime. The most significant were metal forgings and stampings, motor vehicles and equipment, miscellaneous plastics products, iron and steel foundries, preserved fruits and vegetables, and blast furnace and basic steel products.

Benefits and Costs. There were 87,668 initial claims filed under the Ohio Unemployment Compensation Law in March, down 14.7 percent from February, but up 91.0 percent from

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

March 1990. Total benefits paid rose 6.8 percent to $123.6 million. The average weekly benefit check of $180.46 was $0.17 lower than in February. The average weekly number of benefit recipients, at 166,262, increased 5.0 percent. At the end of March, there were 209,841 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 31,994 new job applicants in March, up 13.4 percent from February, but down 14.1 percent from March 1990. The Employment Services Division made 19,157 job referrals in March, up 36.4 percent over the month. There were 2,544 total placements made, up 4.6 percent.

Occupational Wage and Employment Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs and wages by occupations in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644–2689, or write:

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In This Issue

Summary 1
Seasonally Adjusted Series
  Current Data 3
  Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
  Historical Data 7
  Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1991	Feb. 1991	Mar. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,470	5,384	5,408	86	62	1.6	1.1
Employment	5,073	5,007	5,107	66	-34	1.3	-.7
Unemployment	397	377	301	20	96	5.3	31.9
Unemployment Rate	7.3	7.0	5.6				
Employer Survey Data[e]							
Total	4,915	4,911	4,888	4	27	.1	.5
Goods-Producing Industries	1,295	1,300	1,338	-5	-43	-.4	-3.2
Mining	17	17	18	0	-1	.4	-3.2
Coal Mining	7	7	7	0	0	-.7	-4.9
Oil and Gas Extraction	6	6	6	0	0	2.3	-2.2
Construction	202	202	204	0	-2	0	-.9
General Building Contractors	48	49	49	0	-1	-.9	-1.8
Heavy Construction, Except Building	25	25	24	0	0	-.1	1.9
Special Trade Contractors	129	129	131	1	-1	.4	-1.1
Manufacturing	1,076	1,081	1,117	-5	-41	-.5	-3.7
Durable Goods	708	712	750	-4	-41	-.6	-5.5
Lumber and Wood Products	21	21	22	0	-1	1.1	-4.5
Furniture and Fixtures	15	15	15	0	0	-2.0	-2.0
Stone, Clay, and Glass Products	43	44	46	-1	-3	-2.3	-7.1
Primary Metal Industries	96	96	100	1	-3	.6	-3.3
Fabricated Metal Products	124	124	131	0	-8	-.2	-5.7
Industrial Machinery and Equipment	161	162	166	-1	-6	-.7	-3.5
Electronic and Other Electric Equipment	76	76	80	0	-4	-.3	-5.3
Transportation Equipment	131	133	146	-2	-14	-1.3	-9.7
Instruments and Related Products	26	26	27	0	-1	-.4	-4.1
Nondurable Goods	368	369	367	-1	1	-.4	.1
Food and Kindred Products	64	64	62	0	2	.1	3.8
Apparel and Other Textile Products	14	14	15	0	-1	-1.3	-4.4
Paper and Allied Products	38	38	37	0	1	.2	2.6
Printing and Publishing	76	76	75	0	1	.0	1.9
Chemicals and Allied Products	67	67	66	0	1	-.3	1.2
Rubber and Misc. Plastics Products	89	90	94	-1	-4	-1.0	-4.7
Service-Producing Industries	3,620	3,611	3,550	9	70	.2	2.0
Transportation and Public Utilities	221	222	220	0	2	-.1	.8
Transportation	129	130	127	0	2	-.1	1.7
Communications, Electric, Gas Services	92	92	92	0	0	-.1	-.5

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1991	Feb. 1991	Mar. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	265	265	261	0	4	.0	1.4
Wholesale Trade-Durable Goods	165	165	164	0	1	.0	.7
Wholesale Trade-Nondurable Goods	100	100	98	0	2	.0	2.5
Retail Trade	915	913	913	3	2	.3	.2
Building Materials and Garden Supplies	35	35	35	0	0	.8	.6
General Merchandise Stores	123	123	127	0	-4	-.1	-3.0
Food Stores	141	141	140	0	1	.1	.5
Automotive Dealers and Service Stations	98	98	100	0	-1	.1	-1.2
Apparel and Accessory Stores	50	49	50	1	0	1.2	.8
Furniture and Homefurnishings Stores	31	31	31	0	0	.2	.7
Eating and Drinking Places	318	317	316	1	2	.2	.7
Miscellaneous Retail	120	119	116	1	4	.8	3.1
Finance, Insurance, and Real Estate	257	257	255	0	2	.0	1.0
Finance	121	121	121	0	0	.0	.2
Depository Institutions	90	90	90	0	0	-.1	-.5
Insurance	91	91	90	0	1	-.2	.7
Real Estate	45	45	43	0	2	.3	3.8
Services	1,230	1,225	1,181	5	49	.4	4.1
Hotels and Other Lodging Places	41	41	40	0	1	.4	2.7
Personal Services	55	55	55	0	1	.2	1.1
Business Services	227	226	211	1	16	.5	7.7
Amusements, Including Motion Pictures	64	63	61	1	4	1.4	5.9
Health Services	406	405	393	1	13	.3	3.3
Legal Services	30	30	29	0	1	.5	4.0
Educational Services	64	64	63	0	1	-.3	1.1
Social Services	83	82	78	0	4	.5	5.2
Membership Organizations	79	79	79	0	0	-.1	.5
Engineering and Management Services	94	94	91	0	3	.4	3.5
Government	731	730	720	1	11	.2	1.6
Federal Government	95	95	98	0	-3	.3	-3.0
State Government	166	166	161	0	4	.0	2.5
State Government Education	87	88	84	0	3	-.3	3.7
Local Government	470	470	460	1	10	.2	2.2
Local Government Education	272	272	266	0	7	.1	2.5

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,409	5,117	292	5.4	5.1	March
5,375	5,095	280	5.2	5.2	April
5,410	5,121	289	5.3	5.2	May
5,447	5,138	309	5.7	5.4	June
5,428	5,130	298	5.5	5.3	July
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January
5,384	5,007	377	7.0	6.5	February
5,470	5,073	397	7.3	6.8	March

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,815	1,342	18	194	1,130	March
4,794	1,335	18	192	1,125	April
4,798	1,332	18	190	1,124	May
4,812	1,335	18	192	1,125	June
4,816	1,329	16	194	1,119	July
4,830	1,336	18	195	1,122	August
4,834	1,332	18	196	1,119	September
4,830	1,322	18	194	1,110	October
4,845	1,332	18	196	1,119	November
4,854	1,330	18	196	1,117	December
					1990
4,840	1,314	18	199	1,097	January
4,873	1,337	18	204	1,116	February
4,888	1,338	18	204	1,117	March
4,878	1,332	18	199	1,115	April
4,895	1,332	18	198	1,117	May
4,903	1,334	18	197	1,119	June
4,903	1,328	18	196	1,114	July
4,910	1,329	18	197	1,115	August
4,911	1,328	17	197	1,113	September
4,921	1,329	17	197	1,115	October
4,913	1,318	17	198	1,103	November
4,914	1,316	17	199	1,100	December
					1991
4,919	1,315	17	200	1,098	January
4,911	1,300	17	202	1,081	February
4,915	1,295	17	202	1,076	March

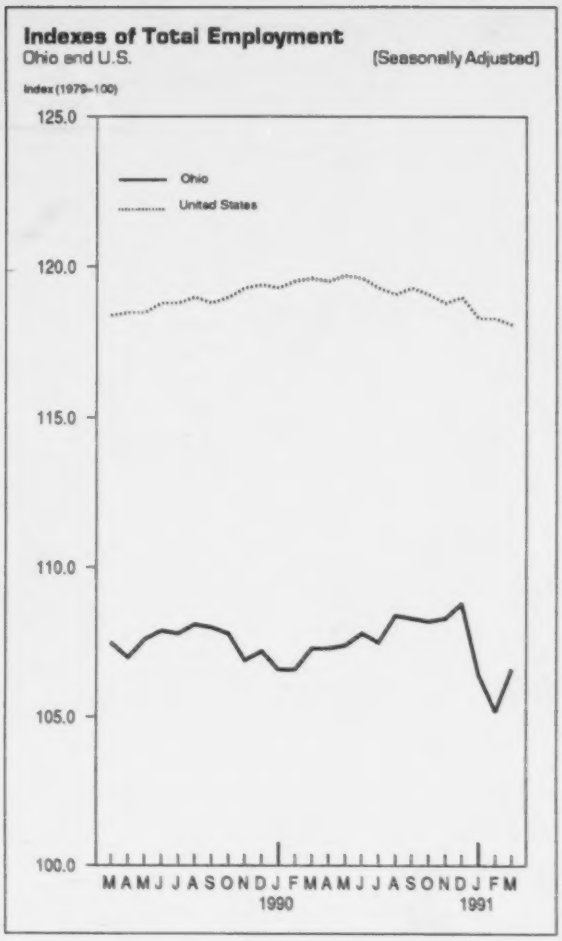
Service-Producing Employment

(In Thousands)

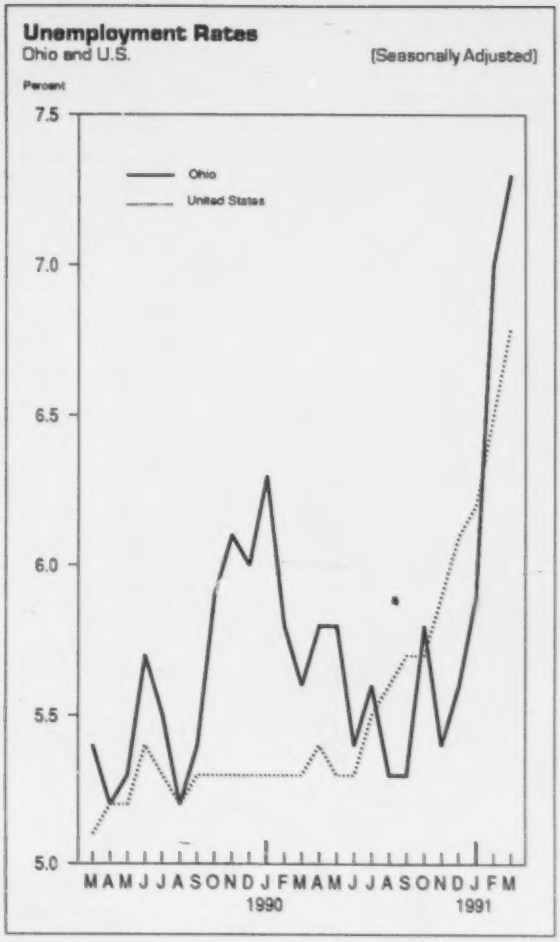
Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,473	215	March	262	904	252	March	1,137	703
3,459	215	April	260	896	251	April	1,134	703
3,466	215	May	261	896	251	May	1,137	706
3,477	216	June	261	899	252	June	1,141	708
3,486	216	July	262	901	252	July	1,148	707
3,495	217	August	262	902	253	August	1,155	706
3,502	218	September	261	902	254	September	1,159	708
3,508	218	October	261	902	254	October	1,163	711
3,513	218	November	261	906	254	November	1,164	710
3,524	219	December	260	909	254	December	1,168	714
		1990				1990		
3,526	219	January	261	909	254	January	1,171	714
3,536	219	February	260	910	254	February	1,175	717
3,550	220	March	261	913	255	March	1,181	720
3,545	219	April	262	907	254	April	1,181	722
3,563	220	May	262	908	254	May	1,187	731
3,570	219	June	263	911	255	June	1,195	727
3,576	219	July	263	911	255	July	1,199	728
3,581	219	August	264	913	255	August	1,204	726
3,583	220	September	264	912	255	September	1,207	725
3,592	220	October	264	912	256	October	1,213	727
3,595	220	November	265	913	256	November	1,215	727
3,598	221	December	265	912	256	December	1,218	726
		1991				1991		
3,604	222	January	265	913	257	January	1,220	727
3,611	222	February	265	913	257	February	1,225	730
3,620	221	March	265	915	257	March	1,230	731

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

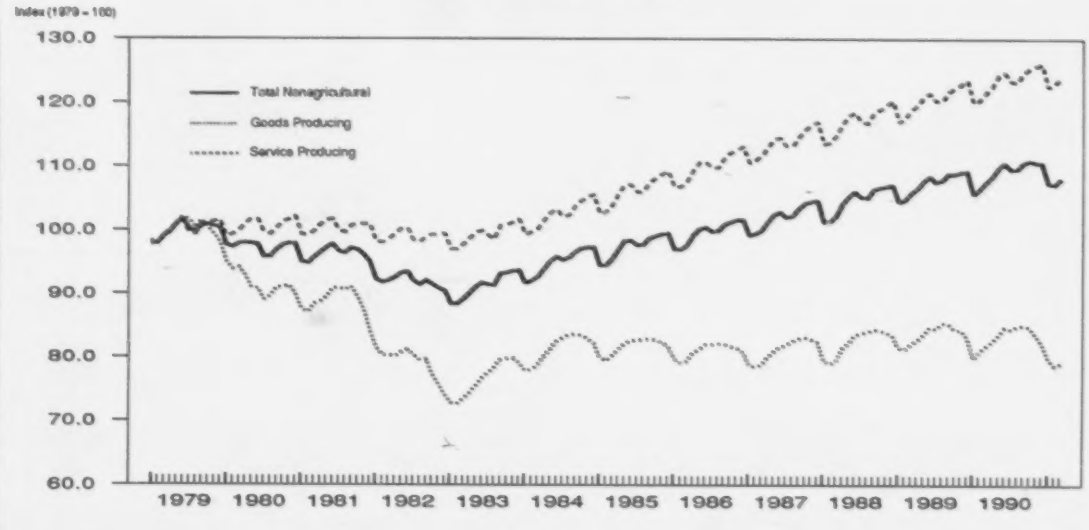
Indexes of Total Employment
Ohio and U.S. (Seasonally Adjusted)



Unemployment Rates
Ohio and U.S. (Seasonally Adjusted)



Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
					1990
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
					1991
5,357	4,968	389	7.3	7.0	January
5,341	4,932	409	7.7	7.2	February
5,417	5,004	414	7.6	7.1	March

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
					1990
4,819.8	1,305.5	17.2	178.6	1,109.7	March
4,859.9	1,317.5	17.4	188.4	1,111.7	April
4,925.3	1,334.0	17.6	199.1	1,117.2	May
4,956.0	1,352.0	17.9	207.4	1,126.7	June
4,912.3	1,347.3	18.0	214.5	1,114.8	July
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
					1991
4,814.5	1,274.5	16.7	172.2	1,085.6	January
4,807.8	1,256.3	16.4	169.0	1,070.9	February
4,846.7	1,262.8	16.6	177.2	1,069.0	March

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
		1990				1990		
3,514.3	216.1	March	259.2	886.9	252.3	March	1,161.5	738.3
3,542.4	217.1	April	260.9	896.7	252.6	April	1,178.9	736.1
3,591.3	219.6	May	262.5	910.4	254.2	May	1,194.3	750.3
3,604.0	221.1	June	264.6	920.0	257.3	June	1,214.9	726.1
3,565.0	221.3	July	265.6	917.8	258.5	July	1,217.6	684.2
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
		1991				1991		
3,540.0	217.5	January	262.1	893.0	253.7	January	1,184.3	729.3
3,551.4	216.7	February	261.7	880.4	254.0	February	1,194.7	744.0
3,583.9	217.8	March	262.7	889.6	254.8	March	1,208.9	750.2

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,264.3	880.3	384.1	1980	867.8	$301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,122.6	754.7	367.9	1989	770.4	403.3	32.9
1,111.7	743.3	368.5	1990	757.3	405.9	32.1
			1990			
1,109.7	746.4	363.3	March	758.3	401.3	32.1
1,111.7	748.1	363.6	April	760.7	393.3	31.6
1,117.2	750.7	366.4	May	763.9	414.2	32.7
1,126.7	756.0	370.7	June	770.6	422.2	33.1
1,114.8	745.0	369.9	July	757.4	403.0	32.0
1,120.5	748.4	372.2	August	763.2	409.7	32.4
1,123.2	748.0	375.2	September	766.3	426.7	33.1
1,121.3	746.9	374.4	October	765.0	418.7	32.6
1,106.1	734.4	371.7	November	749.8	410.8	32.0
1,099.9	729.8	370.1	December	743.7	403.9	31.5
			1991			
1,085.6	718.1	367.5	January	731.1	394.6	30.7
1,070.9	706.7	364.2	February	717.4	377.1	29.6
1,069.0	705.2	363.8	March	715.9	382.1	29.7

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings			
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods	
$347.94	$358.57	$319.99	1980	40.6	40.7	40.2	1980	$ 8.57	$ 8.81	$ 7.96	
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05	
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44	
535.94	556.38	492.74	1990	42.4	42.7	41.9	1990	12.64	13.03	11.76	
			1990				1990				
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66	
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66	
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74	
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78	
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77	
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76	
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84	
547.41	571.43	496.78	October	42.6	42.9	42.1	October	12.85	13.32	11.80	
547.84	568.43	503.37	November	42.7	42.9	42.3	November	12.83	13.25	11.90	
543.13	562.22	501.06	December	42.3	42.4	42.0	December	12.84	13.26	11.93	
			1991				1991				
539.70	559.99	497.90	January	42.0	42.2	41.7	January	12.85	13.27	11.94	
525.71	541.86	492.79	February	41.2	41.3	41.1	February	12.76	13.12	11.99	
533.69	550.78	499.66	March	41.5	41.6	41.5	March	12.86	13.24	12.04	

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.4	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
45.4	99.8	130.6	March	166.3	80.2	145.4	March	60.1	74.2	93.1
46.1	99.3	131.5	April	165.8	80.1	146.7	April	60.3	74.3	93.7
46.0	100.3	132.4	May	166.0	79.8	147.1	May	61.0	74.5	94.5
46.5	101.7	133.4	June	166.7	79.7	148.7	June	61.8	75.3	95.7
46.2	99.4	132.0	July	166.3	79.4	142.4	July	61.9	75.7	93.8
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.6	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	78.6	147.0	October	64.3	75.9	95.4
45.4	99.8	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	126.8	January	163.1	76.2	134.3	January	62.5	75.7	91.9
42.5	95.5	122.9	February	161.2	76.1	133.2	February	62.1	75.6	89.5
42.2	96.3	123.2	March	160.5	76.0	131.3	March	62.5	75.6	88.7

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.39	479.83	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
488.31	650.32	518.32	January	548.70	475.69	724.55	January	482.89	479.50	449.90
490.31	599.23	501.39	February	532.98	472.73	703.50	February	469.68	485.10	443.48
496.86	617.81	514.90	March	534.24	477.17	717.40	March	497.54	482.30	453.87

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	4846.7	4807.8	4819.8	39.0	27.0
Goods-Producing Industries	1262.8	1256.3	1305.5	6.5	-42.6
Mining	16.6	16.4	17.2	.2	-.5
Coal Mining	6.6	6.6	6.9	-.1	-.3
Oil and Gas Extraction	5.6	5.6	5.7	.0	-.1
Construction	177.2	169.0	178.6	8.2	-1.5
General Building Contractors	43.9	42.7	44.6	1.2	-.7
Nonresidential Building Construction	22.7	22.3	23.5	.4	-.7
Heavy Construction, Except Building	18.2	16.3	17.9	1.9	.4
Highway and Street Construction	5.4	4.4	5.1	1.0	.3
Special Trade Contractors	115.0	109.9	116.1	5.1	-1.1
Manufacturing	1069.0	1070.9	1109.7	-1.9	-40.6
Durable Goods[f]	705.2	706.7	746.4	-1.5	-41.2
Lumber and Wood Products	20.4	19.8	21.3	.6	-.9
Millwork, Plywood and Structural Members	9.2	8.9	9.7	.2	-.5
Furniture and Fixtures	15.0	15.1	15.3	-.1	-.3
Stone, Clay, and Glass Products	42.2	42.5	45.4	-.3	-3.2
Primary Metal Industries	96.3	95.5	99.8	.9	-3.4
Blast Furnace and Basic Steel Products	45.1	45.4	46.1	-.3	-.9
Iron and Steel Foundries	18.7	17.1	20.0	1.6	-1.3
Nonferrous Rolling and Drawing	15.2	15.5	16.0	-.3	-.8
Nonferrous Foundries	10.2	10.2	10.6	.0	-.4
Fabricated Metal Products	123.2	122.9	130.6	.3	-7.5
Fabricated Structural Metal Products	27.7	28.3	28.5	-.7	-.8
Metal Forgings and Stampings	34.4	33.1	37.6	1.3	-3.2
Industrial Machinery and Equipment	160.5	161.2	166.3	-.7	-5.8
Construction and Related Machinery	12.1	12.1	13.8	.0	-1.7
Metalworking Machinery	47.1	47.3	48.3	-.2	-1.2
Special Industry Machinery	15.7	15.9	16.9	-.1	-1.2
General Industrial Machinery	25.6	25.8	25.8	-.2	-.3
Computer and Office Equipment	10.7	10.7	11.1	.0	-.4
Refrigeration and Service Machinery	15.4	15.0	15.9	.4	-.5
Electronic and Other Electric Equipment	76.0	76.1	80.2	-.2	-4.3
Electrical Industrial Apparatus	11.8	12.0	12.4	-.2	-.6
Household Appliances	14.3	14.4	15.9	-.1	-1.6
Electric Lighting and Wiring Equipment	16.1	15.8	16.5	.3	-.4
Electronic Components and Accessories	11.3	11.3	11.8	.0	-.5
Transportation Equipment	131.3	133.2	145.4	-1.9	-14.1
Motor Vehicles and Equipment	88.8	89.7	99.4	-.8	-10.5
Aircraft and Parts	35.3	36.1	37.7	-.9	-2.4
Instruments and Related Products	25.7	25.8	26.8	-.1	-1.1
Measuring and Controlling Devices	14.8	14.9	15.9	-.1	-1.1
Nondurable Goods[g]	363.8	364.2	363.3	-.4	.5
Food and Kindred Products	62.5	62.1	60.1	.4	2.4
Dairy Products	10.4	10.3	9.6	.1	.8
Preserved Fruits and Vegetables	10.7	10.7	10.5	.0	.2
Bakery Products	9.5	9.6	9.1	.0	.4
Apparel and Other Textile Products	14.2	14.3	14.8	-.1	-.7
Paper and Allied Products	38.1	38.1	37.2	.1	1.0
Paperboard Containers and Boxes	13.8	13.9[r]	13.4	-.2	.3
Miscellaneous Converted Paper Products	12.4	12.2	12.1	.2	.3
Printing and Publishing	75.6	75.6	74.2	.0	1.4
Newspapers	18.6	18.8	18.9	-.2	-.3
Commercial Printing	28.3	28.0	27.2	.3	1.1
Chemicals and Allied Products	66.4	66.4	65.6	.0	.8
Plastics Materials and Synthetics	9.6	9.7	9.6	.0	.0
Rubber and Miscellaneous Plastics Products	88.7	89.5	93.1	-.8	-4.4
Tires and Inner Tubes	14.7	14.7	14.6	.0	.1
Miscellaneous Plastics Products	54.0	54.4	56.6	-.3	-2.6
Service-Producing Industries	3583.9	3551.4	3514.3	32.5	69.6
Transportation and Public Utilities	217.8	216.7	216.1	1.1	1.7
Transportation	126.3	125.1	124.2	1.1	2.1
Railroad Transportation	11.2	11.2	11.9	.0	-.7
Trucking and Warehousing	74.4	73.8	73.7	.6	.6
Transportation by Air	15.4	15.3	14.2	.1	1.2
Communications, Electric, Gas Services	91.5	91.6	91.9	-.1	-.4
Communications	48.1	48.2	48.6	.0	-.5
Electric, Gas, and Sanitary Services	43.4	43.4	43.3	.0	.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Wholesale Trade	262.7	261.7	259.2	1.1	3.5
Wholesale Trade-Durable Goods	163.7	163.1	162.6	.7	1.1
Motor Vehicles, Parts, and Supplies	21.9	21.8	21.9	.0	-.1
Professional and Commercial Equipment	32.2	32.1	32.1	.1	.1
Metals and Minerals, Except Petroleum	11.1	11.1	11.0	.1	.2
Electrical Goods	17.4	17.4	18.0	.0	-.5
Hardware, Plumbing and Heating Equipment	12.2	12.2	12.4	.0	-.2
Machinery, Equipment, and Supplies	40.8	40.7	40.0	.2	.8
Wholesale Trade-Nondurable Goods	99.0	98.6	96.6	.4	2.4
Groceries and Related Products	33.7	33.7	32.2	.1	1.6
Retail Trade	889.6	880.4	886.9	9.2	2.6
Building Materials and Garden Supplies	33.1	31.5	32.8	1.5	.2
Lumber and Other Building Materials	16.8	16.2	16.7	.6	.1
General Merchandise Stores	118.6	118.7	122.2	-.1	-3.6
Department Stores	99.2	99.4	102.3	-.2	-3.1
Variety Stores	9.4	9.4	9.7	.0	-.3
Food Stores	137.8	137.7	137.1	.1	.7
Grocery Stores	122.6	122.7	122.0	-.1	.6
Automotive Dealers and Service Stations	96.9	96.2	98.1	.7	-1.2
New and Used Car Dealers	40.9	40.6	42.1	.3	-1.1
Gasoline Service Stations	35.0	34.9	35.2	.1	-.2
Apparel and Accessory Stores	48.6	48.0	48.2	.6	.4
Furniture and Homefurnishings Stores	31.0	30.9	30.8	.1	.2
Eating and Drinking Places	306.7	300.9	304.2	5.7	2.4
Miscellaneous Retail	116.9	116.4	113.4	.5	3.5
Drug Stores and Proprietary Stores	31.2	31.1	30.7	.1	.6
Nonstore Retailers	23.2	23.2	21.8	.0	1.4
Finance, Insurance, and Real Estate	254.8	254.0	252.3	.7	2.4
Finance	120.8	120.6	120.6	.2	.2
Depository Institutions	89.1	89.1	89.5	.0	-.4
Commercial Banks	63.9	63.8	63.2	.1	.7
Insurance	90.9	90.8	90.3	.1	.6
Insurance Carriers	69.0	69.0	68.7	.0	.3
Life Insurance	25.5	25.5	25.0	-.1	.4
Fire, Marine, and Casualty Insurance	30.7	30.7	30.6	.0	.1
Real Estate	43.1	42.7	41.5	.4	1.6
Services	1208.9	1194.7	1161.5	14.2	47.4
Hotels and Other Lodging Places	38.9	38.5	37.9	.4	1.0
Personal Services	56.8	56.3	56.1	.5	.7
Business Services	220.7	218.2	205.1	2.5	15.5
Services to Buildings	33.9	33.7	33.1	.2	.8
Personnel Supply Services	74.2	72.2	67.6	2.0	6.6
Computer and Data Processing Services	29.0	29.2	26.4	-.2	2.7
Amusements, Including Motion Pictures	52.2	48.6	49.2	3.6	3.0
Health Services	404.1	402.4	391.1	1.6	13.0
Nursing and Personal Care Facilities	86.6	86.4	84.3	.3	2.3
Hospitals	193.3	193.0	189.2	.4	4.1
Legal Services	29.5	29.4	28.4	.2	1.1
Educational Services	69.3	69.7	68.5	-.4	.8
Colleges and Universities	40.1	40.8	39.7	-.7	.4
Social Services	82.7	82.0	78.6	.6	4.1
Residential Care	24.2	24.0	22.8	.1	1.4
Membership Organizations	78.6	77.9	78.3	.7	.4
Engineering and Management Services	93.4	92.7	90.3	.8	3.2
Engineering and Architectural Services	28.9	28.8	27.8	.1	1.1
Accounting, Auditing, and Bookkeeping	22.6	22.5	22.0	.1	.6
Research and Testing Services	19.2	19.1	19.0	.1	.2
Management and Public Relations	22.7	22.3	21.5	.4	1.2
Government	750.2	744.0	738.3	6.3	11.9
Federal Government	94.8	94.5	97.7	.3	-2.9
U.S. Postal Service	33.1	33.2	34.0	-.1	-.9
State Government	174.9	171.7	170.4	3.2	4.5
State Government Hospitals	15.6	15.3	16.0	.3	-.4
State Government Education[h]	96.9	95.2	93.3	1.7	3.6
Local Government	480.5	477.8	470.2	2.7	10.3
Local Government Hospitals	14.5	14.3	14.0	.2	.5
Local Government Education	286.7	284.8	279.7	1.9	7.0

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Goods-Producing Industries	$548.27	$537.65	$543.44	41.1	40.7	41.9	$13.34	$13.21	$12.97
Mining	594.27	597.80	628.69	42.6	42.7	45.1	13.95	14.00	13.94
Coal Mining	753.47	746.17	764.10	44.4	44.1	45.0	16.97	16.92	16.98
Construction	627.78	600.64	622.91	38.8	37.4	39.4	16.18	16.06	15.81
General Building Contractors	556.78	532.22	554.45	39.6	37.8	40.5	14.06	14.08	13.69
Heavy Construction, Except Building	654.19	644.45	568.83	39.6	39.2	37.3	16.52	16.44	15.25
Special Trade Contractors	643.06	617.34	653.25	38.3	37.1	39.4	16.79	16.64	16.58
Manufacturing	533.69	525.71	529.17	41.5	41.2	42.3	12.86	12.76	12.51
Durable Goods[f]	550.78	541.86	548.26	41.6	41.3	42.6	13.24	13.12	12.87
Lumber and Wood Products	315.75	301.38	327.13	38.6	37.3	39.7	8.18	8.08	8.24
Millwork, Plywood and Structural Members	356.71	343.15	366.63	39.9	38.6	41.9	8.94	8.89	8.75
Furniture and Fixtures	418.58	400.98	378.02	42.8	41.9	41.0	9.78	9.57	9.22
Stone, Clay, and Glass Products	496.86	490.31	484.79	42.0	41.8	42.6	11.83	11.73	11.38
Primary Metal Industries	617.81	599.23	618.62	42.2	41.7	43.2	14.64	14.37	14.32
Blast Furnace and Basic Steel Products	636.08	619.32	622.08	43.3	42.8	43.2	14.69	14.47	14.40
Iron and Steel Foundries	643.98	612.40	682.63	40.4	40.0	44.5	15.94	15.31	15.34
Nonferrous Rolling and Drawing	631.80	628.73	638.39	39.0	39.1	40.1	16.20	16.08	15.92
Nonferrous Foundries	474.37	444.74	471.08	44.5	42.6	44.4	10.66	10.44	10.61
Fabricated Metal Products	514.90	501.39	512.36	40.8	40.5	42.1	12.62	12.38	12.17
Fabricated Structural Metal Products	457.60	447.12	462.26	41.6	40.5	42.1	11.00	11.04	10.98
Metal Forgings and Stampings	645.60	616.59	636.66	41.2	40.3	42.7	15.67	15.30	14.91
Industrial Machinery and Equipment	534.24	532.98	535.62	42.0	42.0	43.3	12.72	12.69	12.37
Construction and Related Machinery	455.11	451.92	449.27	39.2	39.4	39.9	11.61	11.47	11.26
Metalworking Machinery	509.83	516.38	531.02	42.1	42.5	44.4	12.11	12.15	11.96
Special Industry Machinery	515.91	505.41	525.54	43.1	42.4	44.2	11.97	11.92	11.89
General Industrial Machinery	590.54	603.83	581.36	42.7	43.1	43.0	13.83	14.01	13.52
Computer and Office Equipment	488.46	497.96	474.61	41.5	42.2	42.3	11.77	11.80	11.22
Refrigeration and Service Machinery	578.55	566.57	553.20	39.9	39.4	40.0	14.50	14.38	13.83
Electronic and Other Electric Equipment	477.17	472.73	457.97	41.1	41.0	41.0	11.61	11.53	11.17
Electrical Industrial Apparatus	454.16	448.36	446.68	41.4	41.4	42.1	10.97	10.83	10.61
Household Appliances	491.24	494.83	486.42	40.2	40.1	40.3	12.22	12.34	12.07
Electric Lighting and Wiring Equipment	486.20	474.97	493.64	39.4	38.9	41.0	12.34	12.21	12.04
Electronic Components and Accessories	366.30	362.48	331.30	42.2	42.1	40.8	8.68	8.61	8.12
Transportation Equipment	717.40	703.50	718.39	42.5	42.0	44.4	16.88	16.75	16.18
Motor Vehicles and Equipment	734.33	719.74	745.02	42.3	41.7	44.8	17.36	17.26	16.63
Aircraft and Parts	686.64	678.26	669.55	44.1	44.1	44.4	15.57	15.38	15.08
Instruments and Related Products	394.61	395.40	390.98	39.5	39.5	40.1	9.99	10.01	9.75
Measuring and Controlling Devices	386.93	387.22	381.00	38.5	38.0	39.4	10.05	10.19	9.67
Nondurable Goods[g]	499.66	492.79	483.89	41.5	41.1	41.5	12.04	11.99	11.66
Food and Kindred Products	497.54	469.68	458.27	42.2	40.7	41.1	11.79	11.54	11.15
Dairy Products	487.10	499.59	488.86	42.1	42.7	43.3	11.57	11.70	11.29
Preserved Fruits and Vegetables	564.99	484.76	474.00	43.9	39.8	40.0	12.87	12.18	11.85
Bakery Products	487.81	474.51	491.53	38.9	37.9	39.8	12.54	12.52	12.35
Apparel and Other Textile Products	304.17	306.92	307.23	38.6	38.9	38.5	7.88	7.89	7.98
Paper and Allied Products	521.57	527.79	505.04	43.5	43.8	43.5	11.99	12.05	11.61
Paperboard Containers and Boxes	454.94	467.85	435.08	43.0	43.4	42.2	10.58	10.78	10.31
Miscellaneous Converted Paper Products	469.98	482.23	488.12	42.0	42.6	44.7	11.19	11.32	10.92
Printing and Publishing	482.30	485.10	472.42	39.5	39.6	39.9	12.21	12.25	11.84
Newspapers	387.11	379.73	399.46	33.2	32.4	34.2	11.66	11.72	11.68
Commercial Printing	478.40	500.91	481.90	40.0	41.5	41.4	11.96	12.07	11.64
Chemicals and Allied Products	611.46	601.80	606.42	43.0	42.5	43.1	14.22	14.16	14.07
Plastics Materials and Synthetics	679.10	678.24	672.98	43.2	43.2	43.7	15.72	15.70	15.40
Rubber and Miscellaneous Plastics Products	453.87	443.48	446.13	41.0	40.5	41.5	11.07	10.95	10.75
Tires and Inner Tubes	714.96	716.62	723.00	43.2	43.3	45.5	16.55	16.55	15.89
Miscellaneous Plastics Products	433.61	418.95	427.22	40.6	39.9	41.0	10.68	10.50	10.42
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	646.60	642.71	618.24	42.4	42.2	42.0	15.25	15.23	14.72
Communications	636.23	637.08	556.56	42.5	42.5	39.5	14.97	14.99	14.09
Electric, Gas, and Sanitary Services	658.32	649.15	689.66	42.2	41.8	44.9	15.60	15.53	15.36
Wholesale Trade	423.06	418.65	412.51	39.1	38.8	39.1	10.82	10.79	10.55
Wholesale Trade-Durable Goods	422.08	416.91	408.72	39.3	39.0	39.3	10.74	10.69	10.40
Motor Vehicles, Parts, and Supplies	349.48	342.50	353.63	39.4	38.7	37.7	8.87	8.85	9.38
Metals and Minerals, Except Petroleum	473.41	468.44	477.28	41.6	41.2	42.2	11.38	11.37	11.31
Wholesale Trade-Nondurable Goods	423.77	423.06	418.35	38.7	38.6	38.7	10.95	10.96	10.81

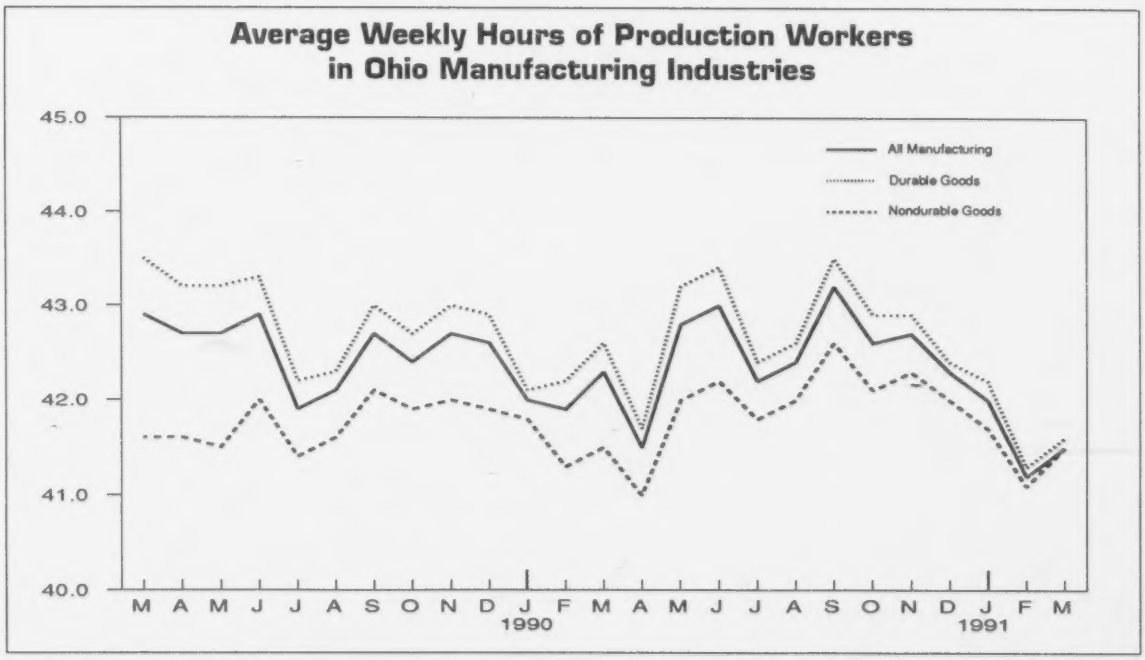
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

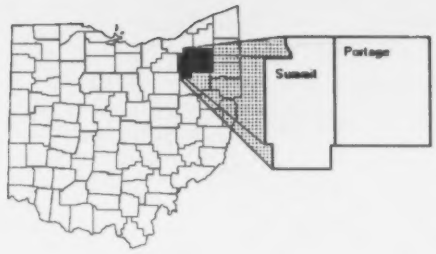
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Retail Trade[i]	$179.09	$176.58	$174.71	27.3	27.0	27.6	$ 6.56	$ 6.54	$ 6.33
General Merchandise Stores	200.07	194.43	188.72	28.1	27.5	28.0	7.12	7.07	6.74
Department Stores	204.33	198.17	193.45	28.3	27.6	28.2	7.22	7.18	6.86
Finance, Insurance, and Real Estate	361.77	360.22	351.87	....	....	....	.....	.....	.....
Finance	336.87	333.94	327.16	....	....	....	.....	.....	.....
Depository Institutions	282.81	280.69	280.40	....	....	....	.....	.....	.....
Commercial Banks	277.65	274.41	277.42	....	....	....	.....	.....	.....
Insurance	429.53	427.48	415.12	....	....	....	.....	.....	.....
Insurance Carriers	417.93	414.75	402.03	....	....	....	.....	.....	.....
Life Insurance	391.68	386.75	368.63	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	455.43	452.22	436.09	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	264.80	262.68	236.75	33.1	33.0	32.7	8.00	7.96	7.24
Health Services	323.90	324.22	309.68	31.6	31.6	31.6	10.25	10.26	9.80
Nursing and Personal Care Facilities	223.74	220.75	207.00	32.1	31.9	31.7	6.97	6.92	6.53
Hospitals	378.67	378.67	364.82	32.2	32.2	32.4	11.76	11.76	11.26
Engineering and Management Services	513.70	510.84	495.65	36.1	36.0	36.1	14.23	14.19	13.73
Engineering and Architectural Services	713.44	715.19	695.30	34.3	34.5	33.3	20.80	20.73	20.88
Research and Testing Services	405.06	401.71	389.24	35.5	35.3	37.0	11.41	11.38	10.52

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.



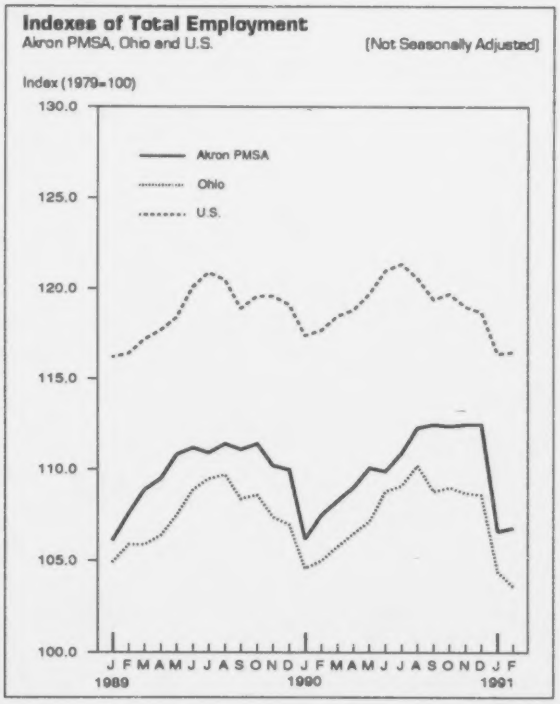
Akron Primary Metropolitan Statistical Area

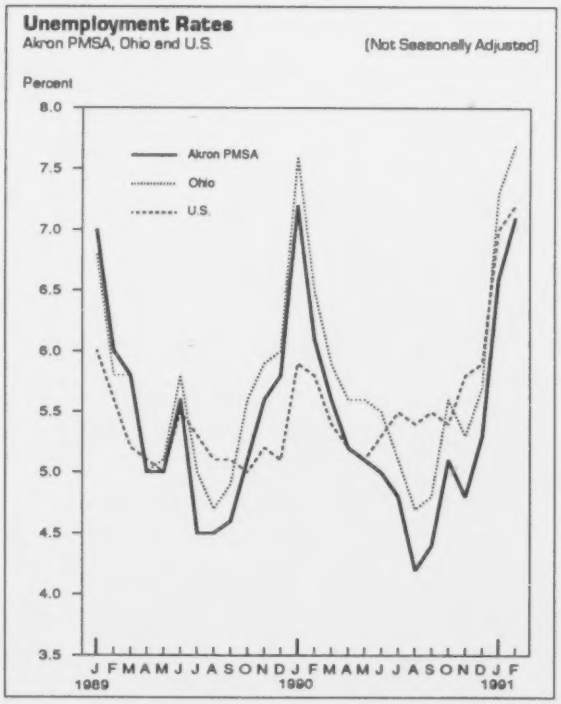


Nonfarm wage and salary employment in the Akron metropolitan area increased 3,100 above the February level to 285,100 in March 1991. More business in services, the continued return of nonfaculty personnel in state and local schools and colleges, and modest gains in retail trade raised employment in the service-producing sector 1,900. The number of jobs in goods-producing industries rose 1,300 over the month to 76,000 mainly due to the recall of workers in manufacturing, especially fabricated metal products, and slight improvements in construction. Factory production workers averaged $11.90 per hour, up 20 cents from February. Their average workweek of 41.8 hours was 0.4 hours longer.

Nonagricultural payroll employment advanced 3,100 between March 1990 and March 1991. The growth was concentrated in service-producing industries, particularly services. Employment in goods-producing industries dropped 300 during the period as declines in construction negated nominal gains in manufacturing. Scattered growth among producers of nondurable and durable goods outweighed reductions in fabricated metal products and industrial machinery and equipment.

Seasonally adjusted employment in the Akron area totaled 288,000 in March 1991, up 1,000 from February due to a modest gain in manufacturing. Since March 1990, nonfarm payroll employment advanced 3,000. Expansion in services more than offset a decrease in construction employment.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
331.6	313.7	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
332.3	314.9	17.3	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
327.3	309.1	18.2	5.6	March	282.0	66.3	37.9	500.02	42.7	11.71
328.4	311.2	17.2	5.2	April	284.5	66.3	37.9	479.49	41.3	11.61
330.9	314.1	16.7	5.1	May	289.0	66.9	38.2	516.00	43.0	12.00
329.9	313.6	16.4	5.0	June	285.3	67.1	38.3	524.36	43.3	12.11
332.4	316.5	15.9	4.8	July	284.1	66.8	37.9	509.92	42.6	11.97
334.4	320.5	13.9	4.2	August	285.2	67.0	38.1	529.40	43.5	12.17
335.8	321.1	14.7	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
337.9	320.8	17.1	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
337.5	321.2	16.3	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
339.2	321.1	18.1	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
326.0	304.3	21.6	6.6	January	279.7	67.3	38.6	507.03	42.5	11.93
328.1	304.8	23.3	7.1	February	282.0	65.6	36.8	484.38	41.4	11.70
INA	INA	INA	INA	March	285.1	66.5	37.7	497.42	41.8	11.90

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
285	78	11	67	March	207	14	15	54	11	68	45
284	78	11	66	April	207	14	15	54	11	68	45
286	78	11	67	May	208	14	15	54	11	69	45
285	78	10	67	June	208	14	15	54	11	69	45
286	78	10	67	July	208	14	15	54	11	70	45
287	78	10	67	August	209	14	15	54	11	70	45
287	78	10	67	September	209	14	15	54	11	70	45
287	79	10	68	October	209	14	15	54	11	70	45
288	79	10	68	November	210	14	15	54	11	71	45
289	79	11	68	December	210	14	15	55	11	71	45
				1991							
289	79	10	68	January	209	14	15	54	11	71	45
287	77	10	66	February	210	14	15	54	11	71	45
288	78	10	67	March	210	14	15	54	11	71	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	285.1	282.0	282.0	3.1	3.1
Goods-Producing industries[e]	76.0	74.7	76.3	1.3	-.3
Construction	8.9	8.6	9.4	.3	-.5
Manufacturing	66.5	65.6	66.3	.9	.2
Durable Goods[f]	33.7	33.1	34.3	.7	-.6
Fabricated Metal Products	9.7	9.0	10.5	.7	-.8
Fabricated Structural Metal Products	4.5	4.6	4.5	.0	.0
Industrial Machinery and Equipment	9.6	9.7	10.3	-.1	-.6
Metalworking Machinery	4.3	4.3	4.0	.0	.3
Electronic and Other Electric Equipment	2.4	2.4	2.5	.0	-.1
Transportation Equipment	4.9	4.8	4.9	.1	.0
Nondurable Goods[g]	32.8	32.5	32.0	.3	.8
Food and Kindred Products	3.4	3.4	3.0	.0	.3
Chemicals and Allied Products	3.6	3.5	3.5	.0	.0
Rubber and Miscellaneous Plastics Products	19.3	19.3	19.2	.0	.1
Tires and Inner Tubes	10.3	10.4	10.3	.0	.1
Service-Producing Industries	209.1	207.2	205.7	1.9	3.4
Transportation and Public Utilities	13.7	13.6	13.6	.1	.1
Communications, Electric, Gas Services	5.4	5.4	5.4	.0	.0
Wholesale Trade	14.7	14.7	14.9	.0	-.1
Retail Trade	52.8	52.4	53.0	.4	-.2
General Merchandise Stores	5.6	5.7	6.2	-.2	-.7
Food Stores	8.7	8.8	8.5	.0	.2
Finance, Insurance, and Real Estate	10.5	10.5	10.8	.0	-.2
Finance	5.3	5.3	5.5	.0	-.2
Services	69.5	68.7	66.5	.8	3.0
Business Services	11.8	11.8	11.2	.0	.6
Personnel Supply Services	3.2	3.1	3.1	.1	.1
Amusements, Including Motion Pictures	4.6	4.5	4.3	.1	.3
Health Services	23.1	22.9	22.2	.2	.9
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	11.6	11.5	11.1	.1	.4
Social Services	5.5	5.4	5.1	.1	.4
Engineering and Management Services	5.2	5.1	5.1	.1	.0
Government	47.9	47.3	47.0	.6	.8
Federal Government	2.6	2.6	2.5	.0	.1
State Government	18.0	17.7	17.7	.3	.3
State Government Education[h]	15.3	15.0	14.9	.3	.4
Local Government	27.3	27.0	26.8	.3	.4
Local Government Education	15.3	15.1	15.0	.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

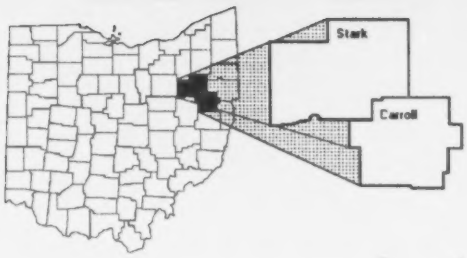
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$497.42	$484.38	$500.02	41.8	41.4	42.7	$11.90	$11.70	$11.71
Durable Goods[f]	502.10	479.13	503.76	42.3	41.7	42.8	11.87	11.49	11.77
Fabricated Metal Products	581.58	523.91	574.33	40.5	39.6	41.2	14.36	13.23	13.94
Fabricated Structural Metal Products	500.76	491.49	508.79	42.8	41.9	42.9	11.70	11.73	11.86
Industrial Machinery and Equipment	499.29	491.29	488.16	44.9	44.3	45.2	11.12	11.09	10.80
Metalworking Machinery	552.24	551.78	526.38	47.2	47.0	46.5	11.70	11.74	11.32
Electronic and Other Electric Equipment	436.72	424.85	407.59	41.2	40.5	40.8	10.60	10.49	9.99
Transportation Equipment	636.59	647.57	661.40	43.1	43.2	44.3	14.77	14.99	14.93
Nondurable Goods[g]	492.34	489.98	493.43	41.2	40.9	42.5	11.95	11.98	11.61
Food and Kindred Products	384.38	403.22	382.31	38.4	39.3	39.7	10.01	10.26	9.63
Chemicals and Allied Products	551.55	552.90	530.29	42.2	42.4	42.8	13.07	13.04	12.39
Rubber and Miscellaneous Plastics Products	494.91	488.27	484.22	41.8	41.1	42.7	11.84	11.88	11.34
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	620.34	619.29	586.04	42.0	42.1	40.5	14.77	14.71	14.47
Wholesale Trade	370.58	371.31	355.72	36.8	36.8	36.9	10.07	10.09	9.64
Retail Trade[i]	214.08	211.12	213.81	29.9	29.2	30.5	7.16	7.23	7.01
General Merchandise Stores	190.07	181.55	196.02	28.2	27.3	29.3	6.74	6.65	6.69
Food Stores	314.32	323.28	323.98	35.8	36.0	36.9	8.78	8.98	8.78
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	288.33	288.54	286.14	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

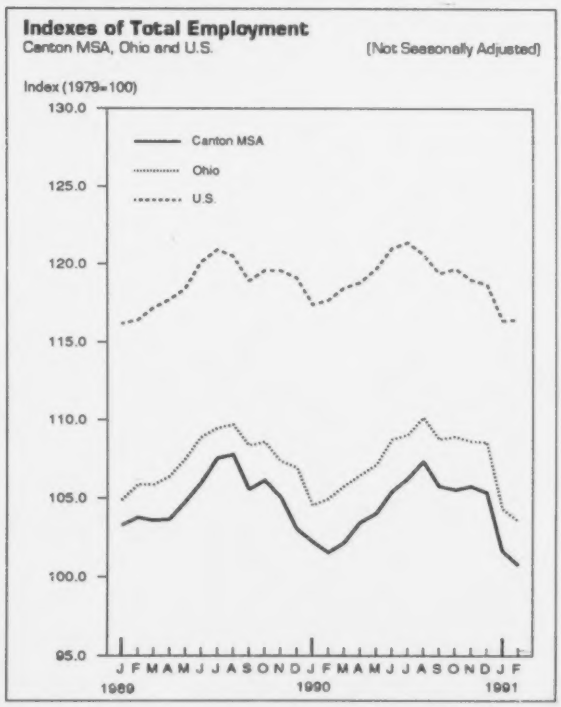
Canton Metropolitan Statistical Area

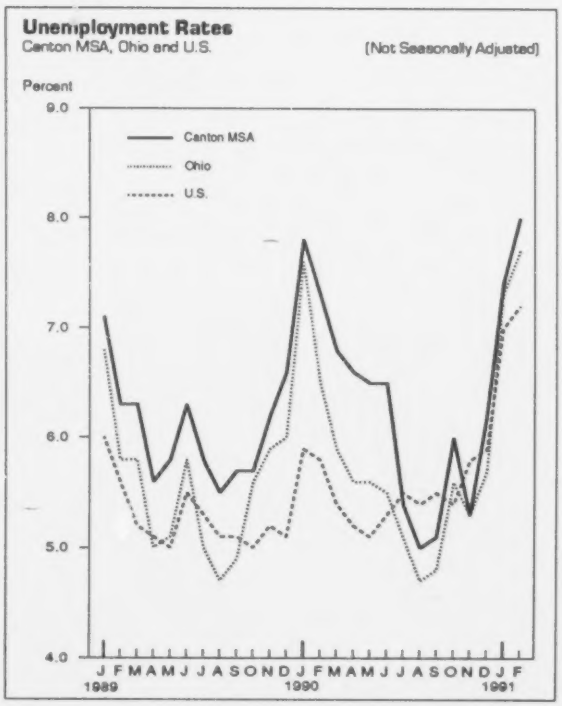


Nonagricultural payroll employment in the Canton metropolitan area increased 1,000 above the February level to 163,600 in March 1991. More business in services helped raise employment in service-producing industries 700 over the month. The workforce in the goods-producing sector, at 50,800, added 300 employees mainly due to nominal gains in construction. Employment in manufacturing was unchanged as scattered declines counterbalanced the return of workers from a labor-management dispute in fabricated metal products. Factory production workers averaged $11.26 per hour, up fractionally from February. Their average workweek of 41.9 hours was 0.4 hours longer.

Nonfarm wage and salary employment advanced 700 between March 1990 and March 1991. Expansion in service-producing industries, primarily services, created 2,300 jobs. Employment in goods-producing industries fell 1,600 below the year-ago level due to production cutbacks in manufacturing and a modest decline in construction. Reductions in fabricated metal products, rubber and miscellaneous plastics products, and electronic and other electric equipment negated a gain in primary metal industries.

Seasonally adjusted employment in the Canton area totaled 167,000 in March 1991, unchanged from February. Since March 1990, total nonfarm payroll employment advanced 1,000. Growth in services and government outweighed a decrease in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.3	182.5	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.8	181.8	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
190.5	177.6	12.9	6.8	March	163.0	44.8	31.2	472.36	42.1	11.22
192.4	179.8	12.6	6.6	April	164.2	43.8	30.1	474.31	41.9	11.32
193.5	180.9	12.6	6.5	May	167.1	44.7	31.0	479.94	42.1	11.40
196.0	183.3	12.8	6.5	June	168.2	45.1	31.5	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	167.2	45.2	31.5	485.18	42.3	11.47
196.4	186.5	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.6	183.8	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
195.0	183.4	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.3	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
190.8	176.6	14.1	7.4	January	163.8	44.2	30.7	473.05	41.9	11.29
190.3	175.1	15.2	8.0	February	162.7	43.5	30.1	466.46	41.5	11.24
INA	INA	INA	INA	March	163.6	43.5	30.3	471.79	41.9	11.26

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	8	45	1990	113	6	9	33	7	40	19
				1990							
166	54	8	45	March	112	6	9	33	7	39	19
165	53	8	44	April	112	6	9	33	7	39	19
167	53	8	45	May	113	6	9	33	7	40	20
166	53	7	45	June	113	6	9	33	7	40	19
166	53	7	45	July	113	6	9	33	7	40	20
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	113	6	9	32	7	40	19
166	53	7	44	December	114	6	9	32	7	41	19
				1991							
167	53	8	45	January	114	6	9	33	7	40	20
167	52	8	44	February	114	6	9	33	7	41	20
167	52	8	44	March	114	6	9	33	7	41	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	163.6	162.7	163.0	1.0	.7
Goods-Producing Industries[e]	50.8	50.5	52.4	.3	-1.6
Construction	6.5	6.2	6.9	.3	-.3
Manufacturing	43.5	43.5	44.8	.0	-1.3
Durable Goods[f]	32.9	32.8	33.4	.1	-.6
Primary Metal Industries	11.5	11.7	11.2	-.2	.3
Fabricated Metal Products	5.2	4.9	5.8	.3	-.6
Electronic and Other Electric Equipment	3.9	4.0	4.2	-.1	-.3
Nondurable Goods[g]	10.7	10.7	11.4	-.1	-.7
Food and Kindred Products	2.9	3.0	3.1	.0	-.1
Rubber and Miscellaneous Plastics Products	2.4	2.4	3.0	.0	-.6
Service-Producing Industries	112.8	112.1	110.6	.7	2.3
Transportation and Public Utilities	5.5	5.6	5.4	.0	.1
Communications, Electric, Gas Services	2.8	2.8	2.8	.0	.0
Wholesale Trade	8.8	8.8	8.6	.0	.1
Retail Trade	31.7	31.5	31.6	.1	.1
General Merchandise Stores	3.5	3.6	3.9	-.1	-.4
Food Stores	5.5	5.6	5.3	.0	.2
Finance, Insurance, and Real Estate	6.6	6.5	7.0	.1	-.3
Finance	3.8	3.8	4.1	.0	-.2
Services	40.4	39.8	38.5	.5	1.9
Health Services	16.4	16.3	15.7	.0	.7
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.6	7.6	7.2	.0	.4
Government	19.9	19.9	19.5	.0	.4
Federal Government	1.5	1.5	1.4	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.0	.0
Local Government	16.7	16.7	16.3	.0	.4
Local Government Education	10.2	10.3	9.9	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

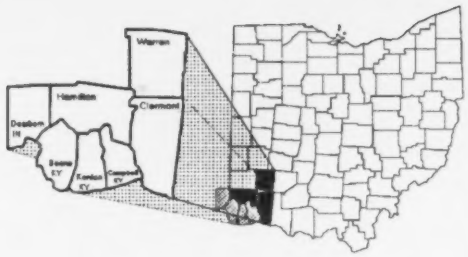
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$471.79	$466.46	$472.36	41.9	41.5	42.1	$11.26	$11.24	$11.22
Durable Goods[f]	489.34	483.49	493.48	42.7	42.3	42.8	11.46	11.43	11.53
Primary Metal Industries	521.85	515.83	534.89	44.3	43.9	45.1	11.78	11.75	11.86
Fabricated Metal Products	440.35	446.07	479.16	39.6	40.7	41.2	11.12	10.96	11.63
Electronic and Other Electric Equipment	580.17	570.57	547.42	40.6	39.9	40.4	14.29	14.30	13.55
Nondurable Goods[g]	417.52	412.51	408.40	39.5	39.1	40.0	10.57	10.55	10.21
Food and Kindred Products	420.12	410.41	408.18	39.3	38.5	38.8	10.69	10.66	10.52
Rubber and Miscellaneous Plastics Products	426.21	425.80	393.60	41.1	41.3	41.0	10.37	10.31	9.60
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	635.04	630.60	580.25	42.0	41.9	40.1	15.12	15.05	14.47
Wholesale Trade	392.11	406.36	387.44	38.9	39.3	38.9	10.08	10.34	9.96
Retail Trade[i]	174.26	169.38	172.67	27.4	26.8	28.4	6.36	6.32	6.08
General Merchandise Stores	188.38	183.01	193.72	27.5	26.6	29.0	6.85	6.88	6.68
Food Stores	171.41	168.58	166.20	28.1	27.5	27.7	6.10	6.13	6.00
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	199.12	197.51	181.17	30.4	30.2	29.7	6.55	6.54	6.10

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

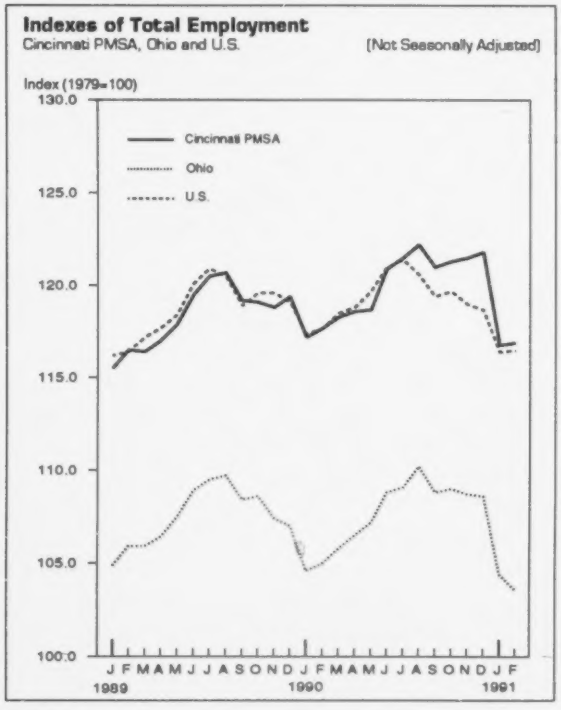
Cincinnati Primary Metropolitan Statistical Area

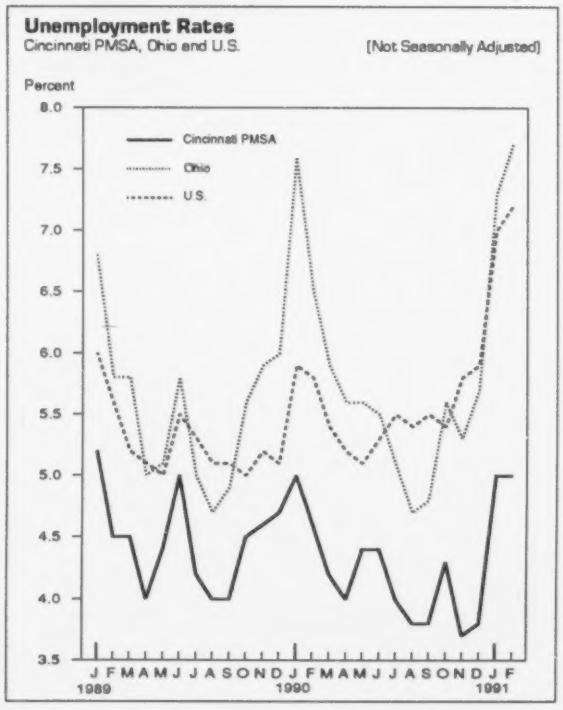


Total nonfarm payroll employment in the Cincinnati metropolitan area rose 6,300 above the February level to 744,200 in March 1991. Employment in the service-producing sector increased 5,700 primarily due to seasonal gains in services, especially amusements, including motion pictures, and more business in retail trade. Goods-producing industries, at 177,200, added 600 employees over the month. Improvements in construction outweighed reductions in manufacturing, particularly transportation equipment and paper and allied products. Factory production workers averaged $12.28 per hour, unchanged from February. Their average workweek remained at 42.0 hours.

Nonagricultural wage and salary employment advanced 11,900 between March 1990 and March 1991. Employment in service-producing industries increased 14,800. The leading growth industry was services, especially business and health services. Noteworthy expansion occurred in local government, transportation and public utilities, and finance, insurance, and real estate. Employment in goods-producing industries dropped 2,900 during the period as reductions in construction and durable-goods manufacturing outweighed gains in nondurable goods. Over-the-year cutbacks in transportation equipment, industrial machinery and equipment, and electronic and other electric equipment offset growth in chemicals and allied products, printing and publishing, and food and kindred products.

Seasonally adjusted employment in the Cincinnati area totaled 754,000 in March 1991, up 1,000 from February. Gains in finance, insurance, and real estate, and services counterbalanced declines in manufacturing and wholesale trade. Since March 1990, nonfarm payroll employment advanced 12,000. Expansion in services and government outweighed a decrease in manufacturing.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
778.4	743.5	34.8	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
786.9	754.1	32.8	4.2	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
775.4	742.8	32.6	4.2	March	732.2	147.3	92.5	515.70	43.3	11.91
776.7	745.2	31.4	4.0	April	737.7	146.9	92.1	490.73	41.8	11.74
779.9	745.7	34.2	4.4	May	746.6	147.3	92.3	519.60	43.3	12.00
794.3	759.1	35.2	4.4	June	751.5	148.5	93.2	528.00	43.6	12.11
795.1	763.4	31.7	4.0	July	747.0	148.3	93.0	516.86	43.0	12.02
798.0	767.7	30.4	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
790.3	760.0	30.3	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
795.9	761.9	34.0	4.3	October	753.9	149.5	93.7	526.25	43.1	12.21
791.9	762.9	29.0	3.7	November	754.6	149.4	93.2	527.47	43.2	12.21
795.3	765.0	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
772.3	733.9	38.4	5.0	January	737.3	147.3	91.5	521.14	42.3	12.32
773.1	734.5	38.6	5.0	February	737.9	146.6	91.0	515.76	42.0	12.28
INA	INA	INA	INA	March	744.2	146.0	90.4	515.76	42.0	12.28

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
742	184	35	149	March	558	41	49	141	44	190	93
739	182	34	148	April	557	41	49	141	44	190	93
742	183	34	148	May	560	41	48	140	44	191	95
744	182	34	148	June	562	41	49	141	44	193	94
745	182	34	148	July	564	41	49	141	44	193	96
746	182	34	148	August	564	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	195	94
749	182	33	149	October	567	42	49	141	44	198	94
749	182	33	148	November	568	42	49	141	44	197	95
750	181	33	148	December	569	42	49	141	44	198	95
				1991							
752	182	33	148	January	570	42	48	142	44	198	96
753	182	34	148	February	571	42	49	141	44	199	96
754	181	34	147	March	573	42	48	141	45	200	96

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	744.2	737.9	732.2	6.3	11.9
Goods-Producing Industries[e]	177.2	176.6	180.1	.6	-2.9
Construction	30.8	29.7	32.4	1.1	-1.6
Manufacturing	146.0	146.6	147.3	-.6	-1.2
Durable Goods[f]	76.4	76.8	79.8	-.4	-3.4
Fabricated Metal Products	11.6	11.6	11.8	-.1	-.3
Fabricated Structural Metal Products	4.1	4.2	4.2	-.1	-.1
Industrial Machinery and Equipment	18.6	18.6	19.1	.0	-.6
Electronic and Other Electric Equipment	7.5	7.5	8.1	.0	-.6
Transportation Equipment	23.6	24.0	24.8	-.4	-1.2
Motor Vehicles and Equipment	4.4	4.8	5.0	-.4	-.6
Instruments and Related Products	3.7	3.7	3.8	.0	-.1
Nondurable Goods[g]	69.6	69.8	67.4	-.2	2.2
Food and Kindred Products	12.3	12.2	11.8	.1	.5
Beverages	2.8	2.8	2.7	.0	.1
Apparel and Other Textile Products	3.4	3.4	3.5	.0	-.1
Paper and Allied Products	6.1	6.3	6.1	-.2	.0
Printing and Publishing	15.3	15.3	14.6	.0	.7
Commercial Printing	6.5	6.5	6.0	.0	.4
Chemicals and Allied Products	23.7	23.7	22.6	.0	1.2
Rubber and Miscellaneous Plastics Products	6.4	6.5	6.4	-.1	-.1
Service-Producing Industries	566.9	561.3	552.1	5.7	14.8
Transportation and Public Utilities	41.7	41.5	40.6	.2	1.1
Transportation	25.0	24.7	24.2	.3	.8
Trucking and Warehousing	10.4	10.3	10.6	.1	-.1
Transportation by Air	7.8	7.7	6.9	.1	.8
Communications, Electric, Gas Services	16.7	16.8	16.4	-.1	.3
Communications	9.9	10.0	9.9	.0	.1
Wholesale Trade	48.4	48.4	48.5	.1	-.1
Wholesale Trade-Durable Goods	27.8	27.8	28.2	.0	-.4
Retail Trade	138.3	137.0	138.1	1.4	.2
General Merchandise Stores	20.9	20.5	21.5	.4	-.6
Finance, Insurance, and Real Estate	44.1	43.9	43.2	.2	.9
Finance	17.8	17.8	17.7	.0	.2
Depository Institutions	13.4	13.4	13.2	.0	.2
Commercial Banks	9.6	9.6	9.3	.0	.3
Insurance	17.3	17.3	17.2	.1	.2
Insurance Carriers	14.7	14.6	14.4	.1	.2
Life Insurance	6.9	6.9	6.8	.0	.2
Fire, Marine, and Casualty Insurance	5.5	5.5	5.3	.0	.1
Services	196.1	192.5	186.1	3.6	10.1
Hotels and Other Lodging Places	7.5	7.3	7.2	.2	.4
Personal Services	9.2	9.1	8.9	.1	.3
Business Services	39.4	38.8	36.6	.6	2.8
Services to Buildings	6.2	6.1	6.4	.1	-.2
Computer and Data Processing Services	5.4	5.4	4.9	.0	.5
Amusements, Including Motion Pictures	10.1	9.1	8.9	1.0	1.2
Health Services	60.4	60.0	57.7	.4	2.7
Nursing and Personal Care Facilities	11.7	11.5	11.1	.1	.5
Hospitals	28.6	28.5	27.7	.1	.9
Legal Services	4.3	4.3	4.2	.0	.1
Educational Services	7.9	7.9	7.7	.1	.3
Social Services	13.5	13.4	12.9	.1	.6
Residential Care	4.8	4.8	4.7	.0	.1
Engineering and Management Services	18.7	18.5	17.7	.3	1.0
Engineering and Architectural Services	6.3	6.2	6.0	.1	.2
Government	98.4	98.1	95.7	.3	2.7
Federal Government	17.1	17.0	17.6	.1	-.4
State Government	22.2	22.2	21.8	.0	.4
State Government Education[h]	14.2	14.2	13.7	.0	.5
Local Government	59.0	58.8	56.3	.1	2.7
Local Government Education	34.8	34.8	32.8	.0	1.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

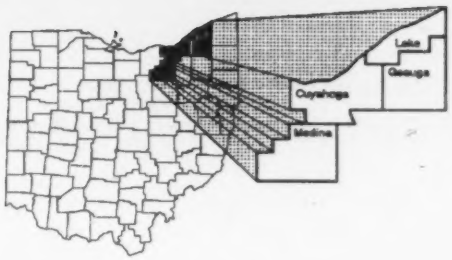
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$515.76	$515.76	$515.70	42.0	42.0	43.3	$12.28	$12.28	$11.91
Durable Goods[f]	504.48	501.65	512.02	41.9	41.7	43.8	12.04	12.03	11.69
Fabricated Metal Products	424.35	424.96	428.79	41.4	41.5	43.4	10.25	10.24	9.88
Fabricated Structural Metal Products	476.98	445.52	479.88	43.6	41.1	45.4	10.94	10.84	10.57
Industrial Machinery and Equipment	485.60	483.19	467.14	42.3	42.2	42.7	11.48	11.45	10.94
Electronic and Other Electric Equipment	422.73	397.17	401.62	42.7	41.2	43.0	9.90	9.64	9.34
Transportation Equipment	707.59	704.60	790.60	42.6	42.6	47.2	16.61	16.54	16.75
Motor Vehicles and Equipment	669.71	688.40	901.20	38.6	39.7	49.3	17.35	17.34	18.28
Instruments and Related Products	435.87	445.01	372.37	43.5	43.8	43.4	10.02	10.16	8.58
Nondurable Goods[g]	526.25	527.92	519.16	42.1	42.2	42.8	12.50	12.51	12.13
Food and Kindred Products	483.03	481.75	504.58	40.9	41.0	43.2	11.81	11.75	11.68
Beverages	572.05	572.05	581.85	40.2	40.2	43.1	14.23	14.23	13.50
Apparel and Other Textile Products	269.10	259.76	251.66	39.0	38.2	37.9	6.90	6.80	6.64
Paper and Allied Products	474.75	452.92	446.04	42.2	41.4	41.3	11.25	10.94	10.80
Printing and Publishing	520.42	522.50	510.20	41.7	41.6	42.2	12.48	12.56	12.09
Commercial Printing	573.75	587.78	546.43	45.0	45.6	44.9	12.75	12.89	12.17
Chemicals and Allied Products	662.82	677.82	655.04	44.1	44.8	44.5	15.03	15.13	14.72
Rubber and Miscellaneous Plastics Products	401.71	398.78	416.56	40.7	40.9	42.9	9.87	9.75	9.71
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	606.00	600.00	569.72	40.4	40.0	39.4	15.00	15.00	14.46
Communications	591.19	588.95	576.63	39.1	38.9	38.7	15.12	15.14	14.90
Wholesale Trade	449.99	441.48	439.96	39.3	39.0	39.6	11.45	11.32	11.11
Retail Trade[i]	179.03	176.26	173.38	27.5	27.2	28.1	6.51	6.48	6.17
General Merchandise Stores	231.03	226.94	215.58	30.2	29.9	29.9	7.65	7.59	7.21
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	296.87	295.06	299.26	....	....	....	.....	.....	.....
Commercial Banks	268.52	267.32	271.23	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	427.23	421.25	410.40	....	....	....	.....	.....	.....
Life Insurance	423.51	416.65	419.57	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	458.66	450.90	421.28	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	442.80	440.14	429.68	32.8	32.7	32.8	13.50	13.46	13.10
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	678.97	670.35	662.69	41.1	41.0	41.6	16.52	16.35	15.93

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

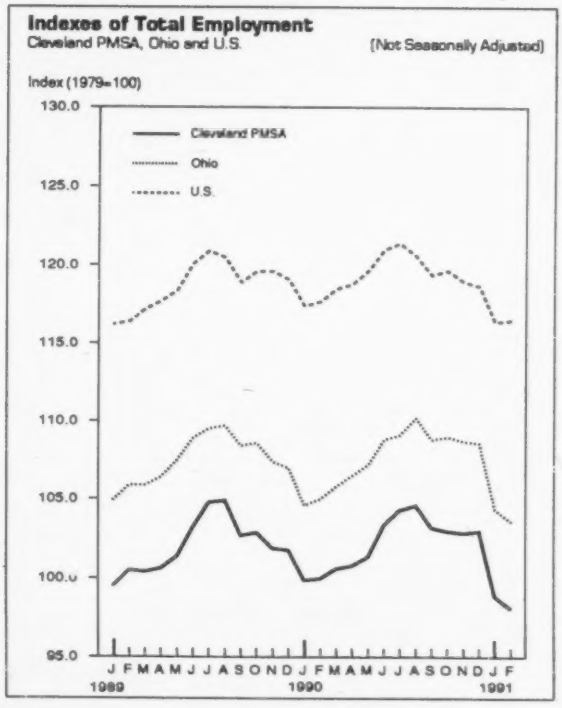
Cleveland
Primary Metropolitan Statistical Area

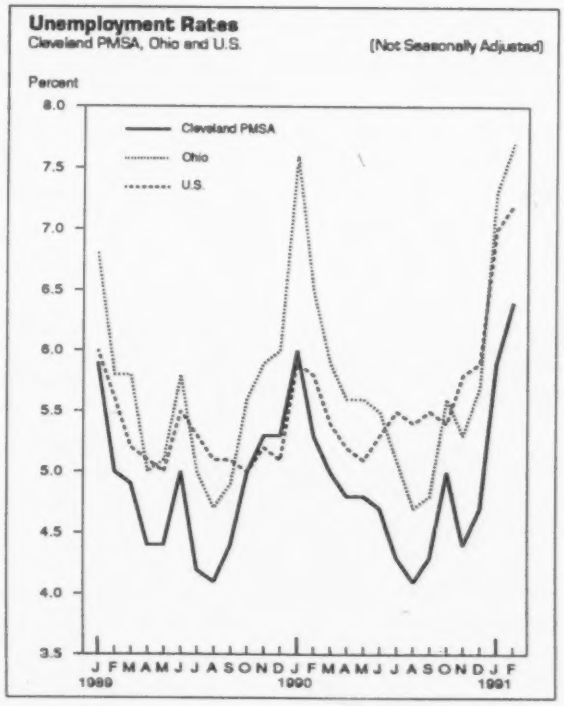


In the Cleveland metropolitan area, nonfarm payroll employment rose 10,400 above the February level to 936,800 in March 1991. Seasonal increases in services, the return of nonteaching personnel in local schools, and more business in retail trade raised employment in service-producing industries 6,400. The recall of employees from temporary layoffs in manufacturing, especially primary metal industries and transportation equipment, and improvements in construction raised employment in goods-producing industries 4,000 over the month to 233,300. Factory production workers averaged $12.24 per hour, up 22 cents from February. Their average workweek of 41.5 hours was 0.2 hours longer.

Nonagricultural wage and salary employment declined 100 between March 1990 and March 1991. Over-the-year reductions in durable-goods manufacturing and modest declines in construction employment lowered the workforce in goods-producing industries 5,700. Significant production cutbacks occurred in industrial machinery and equipment (-1,800), transportation equipment (-1,800), and primary metal industries (-1,100). Employment in service-producing industries advanced 5,600 during the period. Leading areas of expansion were services, particularly health and social services, and retail trade.

Seasonally adjusted employment in the Cleveland area totaled 952,000 in March 1991, up 5,000 from February mainly due to the return of workers from temporary layoffs in manufacturing and gains in retail trade and services. Nonfarm payroll employment was unchanged from the March 1990 level. Growth in services and retail trade offset declines in manufacturing, construction, and government.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
953.5	907.5	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
954.8	909.1	45.7	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
941.3	894.5	46.8	5.0	March	936.9	206.9	132.4	522.88	43.0	12.16
941.1	896.2	44.9	4.8	April	940.9	206.8	132.2	498.78	41.6	11.99
947.2	901.7	45.6	4.8	May	953.2	207.0	132.3	531.72	43.3	12.28
965.0	919.7	45.3	4.7	June	965.2	208.6	133.3	534.25	43.4	12.31
969.0	926.9	42.1	4.3	July	962.7	207.8	132.2	514.74	42.4	12.14
969.6	930.3	39.4	4.1	August	956.3	206.1	131.1	518.38	42.7	12.14
958.0	917.2	40.8	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
964.4	915.9	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
956.7	914.6	42.2	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
960.9	915.4	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
935.0	879.5	55.5	5.9	January	932.4	204.1	128.3	510.38	41.8	12.21
931.9	871.9	60.0	6.4	February	926.4	199.2	123.7	496.43	41.3	12.02
INA	INA	INA	INA	March	936.8	201.8	126.4	507.96	41.5	12.24

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
952	245	36	208	March	707	43	65	162	58	259	121
948	243	35	208	April	705	43	65	162	58	257	120
952	242	34	207	May	709	43	65	162	58	259	122
953	243	35	207	June	710	43	65	163	58	260	121
951	243	35	207	July	708	43	65	163	58	261	118
948	242	35	206	August	707	43	65	164	58	262	115
953	242	34	206	September	711	43	65	164	58	261	120
953	242	34	207	October	711	43	65	164	58	261	120
949	240	34	204	November	710	43	65	164	58	261	119
949	239	35	203	December	710	43	65	163	58	261	119
				1991							
952	241	34	206	January	711	43	65	164	58	262	120
947	236	35	201	February	711	43	65	163	58	262	120
952	239	35	203	March	713	43	65	164	58	263	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	936.8	926.4	936.9	10.4	-.1
Goods-Producing Industries[e]	233.3	229.3	239.0	4.0	-5.7
Construction	30.7	29.3	31.3	1.4	-.6
Special Trade Contractors	21.3	20.5	21.8	.8	-.5
Manufacturing	201.8	199.2	206.9	2.6	-5.1
Durable Goods[f]	136.1	133.6	141.2	2.6	-5.1
Stone, Clay, and Glass Products	3.4	3.4	3.5	.0	-.1
Primary Metal Industries	19.5	17.9	20.6	1.6	-1.1
Iron and Steel Foundries	4.3	2.5	4.4	1.7	-.2
Fabricated Metal Products	34.1	34.0	34.1	.1	.0
Screw Machine Products, Bolts, etc.	5.2	5.3	5.1	-.1	.1
Metal Forgings and Stampings	10.9	10.7	11.0	.2	-.1
Industrial Machinery and Equipment	31.8	32.1	33.6	-.4	-1.8
Metalworking Machinery	12.4	12.5	13.1	-.1	-.8
Electronic and Other Electric Equipment	15.1	15.2	15.6	.0	-.5
Electrical Industrial Apparatus	4.0	4.1	4.3	-.1	-.3
Electric Lighting and Wiring Equipment	5.1	5.1	5.4	.1	-.2
Transportation Equipment	17.6	16.3	19.4	1.3	-1.8
Motor Vehicles and Equipment	10.9	8.9	11.9	2.0	-.9
Instruments and Related Products	7.2	7.2	7.2	.0	.1
Measuring and Controlling Devices	5.1	5.1	4.8	.0	.3
Nondurable Goods[g]	65.7	65.6	65.7	.0	.0
Food and Kindred Products	6.5	6.5	6.5	.0	.0
Apparel and Other Textile Products	3.3	3.3	3.2	.0	.0
Paper and Allied Products	5.9	5.9	5.8	.0	.1
Printing and Publishing	17.7	17.6	17.1	.1	.6
Chemicals and Allied Products	14.7	14.8	15.2	.0	-.4
Rubber and Miscellaneous Plastics Products	11.2	11.3	11.6	.0	-.3
Miscellaneous Plastics Products	7.4	7.5	7.1	-.1	.3
Service-Producing Industries	703.5	697.1	697.9	6.4	5.6
Transportation and Public Utilities	41.7	41.2	42.2	.5	-.6
Transportation	24.6	24.1	24.4	.5	.1
Trucking and Warehousing	11.2	11.1	11.3	.1	-.2
Transportation by Air	5.5	5.5	5.3	.1	.3
Communications, Electric, Gas Services	17.1	17.1	17.8	.0	-.7
Communications	10.1	10.1	10.5	.0	-.4
Electric, Gas, and Sanitary Services	7.0	7.0	7.3	.0	-.3
Wholesale Trade	64.4	64.2	64.4	.2	.0
Wholesale Trade-Durable Goods	44.2	44.1	44.2	.1	.0
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.1	.0	-.1
Professional and Commercial Equipment	8.9	8.9	9.3	.0	-.4
Retail Trade	159.4	158.4	157.6	.9	1.8
General Merchandise Stores	19.1	19.3	19.8	-.2	-.7
Finance, Insurance, and Real Estate	57.9	57.7	57.5	.2	.5
Finance	27.6	27.4	27.9	.1	-.3
Depository Institutions	20.2	20.2	20.4	.0	-.2
Commercial Banks	12.8	12.8	12.8	.0	.0
Insurance	19.2	19.1	18.8	.1	.4
Insurance Carriers	14.5	14.4	14.0	.0	.5
Fire, Marine, and Casualty Insurance	6.3	6.3	6.3	.0	.0
Services	259.2	255.7	255.0	3.5	4.1
Business Services	51.4	50.7	50.9	.7	.5
Personnel Supply Services	18.7	18.0	19.3	.6	-.6
Computer and Data Processing Services	6.6	6.7	6.3	-.1	.3
Amusements, Including Motion Pictures	10.3	9.5	10.8	.8	-.5
Health Services	80.8	80.6	79.5	.2	1.3
Nursing and Personal Care Facilities	14.5	14.4	14.1	.1	.5
Hospitals	43.2	43.1	43.4	.1	-.2
Legal Services	9.8	9.8	9.5	.1	.3
Educational Services	18.9	18.6	19.2	.2	-.3
Social Services	15.5	15.4	14.5	.1	1.1
Residential Care	4.3	4.2	4.0	.1	.3
Engineering and Management Services	22.8	22.6	22.4	.3	.4
Engineering and Architectural Services	8.5	8.3	8.4	.1	.1
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.4	.0	.0
Management and Public Relations	5.2	5.1	5.0	.1	.2
Government	121.0	119.9	121.3	1.1	-.3
Federal Government	19.7	19.7	20.5	.0	-.8
State Government	8.7	8.6	8.5	.1	.2
State Government Education[h]	3.7	3.6	3.5	.1	.2
Local Government	92.6	91.6	92.3	1.0	.3
Local Government Education	47.1	46.2	47.9	.9	-.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

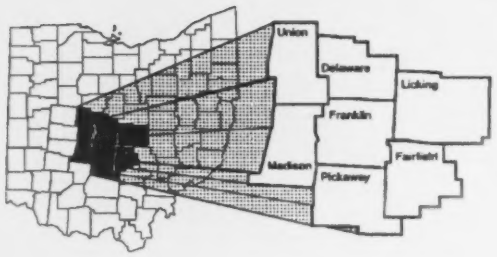
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$507.96	$496.43	$522.88	41.5	41.3	43.0	$12.24	$12.02	$12.16
Durable Goods[f]	532.97	520.83	558.41	41.9	41.8	43.9	12.72	12.46	12.72
Stone, Clay, and Glass Products	548.13	523.06	496.58	44.6	43.3	41.8	12.29	12.08	11.88
Primary Metal Industries	514.08	486.33	542.33	42.0	42.4	44.2	12.24	11.47	12.27
Iron and Steel Foundries	719.98	740.10	855.50	40.7	41.3	46.8	17.69	17.92	18.28
Fabricated Metal Products	545.20	546.94	553.40	42.1	42.3	43.1	12.95	12.93	12.84
Screw Machine Products, Bolts, etc.	454.34	494.62	538.90	39.1	41.6	44.1	11.62	11.89	12.22
Metal Forgings and Stampings	683.27	678.81	715.50	43.0	42.8	45.4	15.89	15.86	15.76
Industrial Machinery and Equipment	519.72	521.79	565.34	42.6	42.7	46.0	12.20	12.22	12.29
Metalworking Machinery	474.73	499.09	587.52	40.3	41.8	48.0	11.78	11.94	12.24
Electronic and Other Electric Equipment	422.25	418.70	414.86	40.1	39.8	40.2	10.53	10.52	10.32
Electrical Industrial Apparatus	439.92	430.77	439.74	42.3	41.5	42.0	10.40	10.38	10.47
Electric Lighting and Wiring Equipment	408.08	406.99	368.15	37.2	37.1	37.3	10.97	10.97	9.87
Transportation Equipment	705.[illegible]	679.80	753.09	41.1	41.2	44.8	17.16	16.50	16.81
Motor Vehicles and Equipment	761.[illegible]	730.48	827.59	40.6	39.4	45.1	18.75	18.54	18.35
Instruments and Related Products	463.[illegible]	444.57	450.69	41.6	40.6	41.5	11.14	10.95	10.86
Measuring and Controlling Devices	44[illegible]	449.21	455.10	40.5	40.8	41.6	10.97	11.01	10.94
Nondurable Goods[g]	44[illegible].22	442.49	435.34	40.6	40.3	40.8	11.04	10.98	10.67
Food and Kindred Products	487.28	451.56	432.92	41.4	39.3	39.5	11.77	11.49	10.96
Apparel and Other Textile Products	381.90	383.62	372.30	38.0	38.4	38.5	10.05	9.99	9.67
Paper and Allied Products	495.07	513.48	514.42	42.9	43.7	44.5	11.54	11.75	11.56
Printing and Publishing	385.47	394.57	387.66	37.1	37.4	37.6	10.39	10.55	10.31
Chemicals and Allied Products	568.43	548.83	543.15	42.9	41.8	42.6	13.25	13.13	12.75
Rubber and Miscellaneous Plastics Products	381.41	363.60	377.94	41.1	40.4	41.9	9.28	9.00	9.02
Miscellaneous Plastics Products	393.18	364.91	386.26	41.3	40.1	42.4	9.52	9.10	9.11
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	489.42	483.26	470.25	33.8	33.1	34.3	14.48	14.60	13.71
Communications, Electric, Gas Services	691.36	691.80	611.75	43.4	43.4	40.3	15.93	15.94	15.18
Wholesale Trade	465.60	465.56	457.06	38.8	38.7	39.3	12.00	12.03	11.63
Retail Trade[i]	194.75	192.24	187.95	27.2	27.0	27.2	7.16	7.12	6.91
General Merchandise Stores	194.17	191.41	189.20	28.1	27.7	27.5	6.91	6.91	6.88
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	332.62	330.98	325.25	....	....	....	.....	.....	.....
Depository Institutions	304.44	300.91	298.85	....	....	....	.....	.....	.....
Commercial Banks	297.83	292.14	293.32	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	344.76	343.51	329.16	31.2	31.2	31.2	11.05	11.01	10.55
Nursing and Personal Care Facilities	256.28	257.56	238.04	33.9	33.8	33.2	7.56	7.62	7.17
Hospitals	380.64	379.12	360.27	30.5	30.5	30.3	12.48	12.43	11.89

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

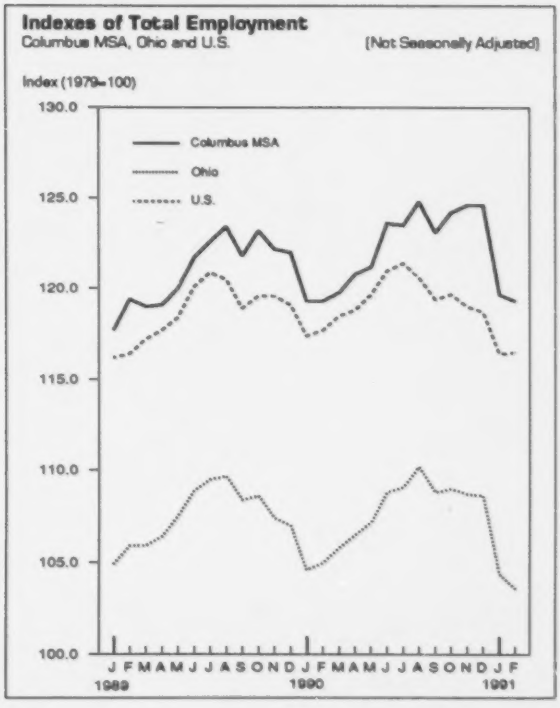
Columbus Metropolitan Statistical Area

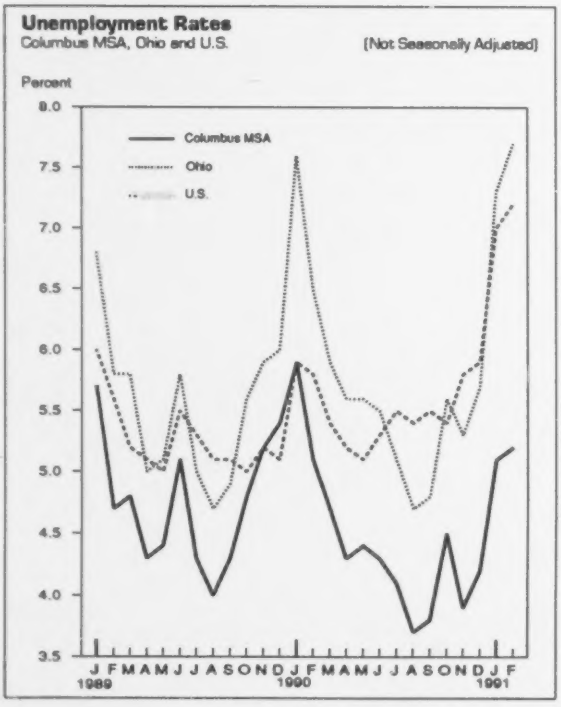


Nonfarm wage and salary employment in the Columbus metropolitan area rose 5,300 above the February level to 723,000 in March 1991. Employment in service-producing industries increased 4,200 primarily due to more business in services. Seasonal gains in construction raised employment in goods-producing industries 1,100 over the month to 130,800. The number of manufacturing jobs was unchanged as scattered decreases negated a nominal increase in fabricated metal products. Factory production workers averaged $12.86 per hour, up 17 cents from February. Their average workweek of 42.0 hours was 0.7 hours longer.

Nonagricultural payroll employment advanced 13,500 between March 1990 and March 1991. Expansion in the service-producing sector created 14,800 jobs. A major portion of the growth occurred in services, primarily business and health services, and in state and local government. Moderate improvements were posted in retail trade and finance, insurance, and real estate. Declines in construction and manufacturing lowered employment in goods-producing industries 1,300 during the period. Production cutbacks in stone, clay, and glass products, fabricated metal products, and instruments and related products negated gains in transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Columbus area totaled 732,000 in March 1991, up 3,000 from February. Increases in construction, retail trade, and services more than offset a decline in manufacturing. Since March 1990, nonfarm payroll employment advanced 14,000. Leading areas of expansion were services (+11,000) and government (+3,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
733.7	698.9	34.8	4.7	1989	704.7	104.9	69.5	500.82	41.7	12.01
739.5	706.9	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
725.6	691.8	33.8	4.7	March	709.5	103.9	69.6	512.10	41.6	12.31
728.8	697.6	31.2	4.3	April	716.5	104.5	70.0	501.43	40.9	12.26
732.7	700.1	32.6	4.4	May	723.3	104.3	69.7	514.58	41.7	12.34
745.8	713.6	32.2	4.3	June	731.9	105.3	70.3	520.80	42.0	12.40
744.1	713.2	30.9	4.1	July	722.0	103.8	68.7	524.15	42.1	12.45
748.3	720.9	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
739.5	711.1	28.4	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
750.9	717.2	33.7	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
748.9	719.6	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
751.7	719.8	31.9	4.2	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
728.4	691.4	37.0	5.1	January	717.4	104.3	69.3	529.59	41.7	12.70
727.1	689.1	38.0	5.2	February	717.7	103.6	68.9	524.10	41.3	12.69
INA	INA	INA	INA	March	723.0	103.6	69.0	540.12	42.0	12.86

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
718	136	31	105	March	582	31	36	148	60	178	128
719	135	30	105	April	583	31	36	146	61	180	129
721	135	29	105	May	586	31	36	146	61	181	130
725	136	30	105	June	589	31	36	148	61	183	130
725	134	29	104	July	592	31	36	148	61	184	131
726	135	29	105	August	591	31	36	149	61	185	130
726	135	29	105	September	591	31	36	149	61	185	130
727	135	29	105	October	592	31	36	149	61	186	130
727	134	29	104	November	593	31	36	149	61	186	130
728	134	29	104	December	593	31	36	149	61	187	130
				1991							
729	135	29	105	January	594	31	36	149	61	187	130
729	134	29	105	February	595	31	36	148	61	188	131
732	135	30	104	March	597	31	36	149	61	189	131

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	723.0	717.7	709.5	5.3	13.5
Goods-Producing Industries[e]	130.8	129.6	132.1	1.1	-1.3
Construction	26.3	25.2	27.3	1.1	-1.1
Manufacturing	103.6	103.6	103.9	.0	-.3
Durable Goods[f]	65.2	65.2	66.1	.1	-.8
Stone, Clay, and Glass Products	8.9	9.0	9.9	-.2	-1.0
Glass and Glassware, Pressed or Blown	3.6	3.6	3.6	.0	-.1
Fabricated Metal Products	9.2	8.9	9.7	.3	-.5
Industrial Machinery and Equipment	9.9	9.9	9.8	-.1	.1
Electronic and Other Electric Equipment	9.7	9.7	9.6	.0	.1
Transportation Equipment	15.7	15.7	14.8	.0	.9
Motor Vehicles and Equipment	14.0	14.0	13.3	.0	.7
Instruments and Related Products	4.2	4.2	4.6	-.1	-.4
Nondurable Goods[g]	38.4	38.4	37.9	-.1	.5
Food and Kindred Products	10.8	10.7	10.3	.1	.6
Dairy Products	4.1	4.1	3.8	.0	.3
Printing and Publishing	10.8	10.9	10.5	-.1	.3
Chemicals and Allied Products	6.7	6.7	6.9	.0	-.2
Rubber and Miscellaneous Plastics Products	6.0	6.0	6.0	.0	.0
Service-Producing Industries	592.2	588.0	577.4	4.2	14.8
Transportation and Public Utilities	30.3	30.3	30.5	.0	-.2
Transportation	17.5	17.5	17.8	.0	-.2
Trucking and Warehousing	12.5	12.5	12.4	.1	.1
Communications, Electric, Gas Services	12.8	12.7	12.7	.0	.0
Communications	8.0	7.9	8.0	.0	.0
Electric, Gas, and Sanitary Services	4.8	4.8	4.7	.0	.0
Wholesale Trade	35.8	35.6	36.1	.2	-.3
Wholesale Trade-Durable Goods	22.5	22.4	23.0	.1	-.5
Motor Vehicles, Parts, and Supplies	3.0	2.9	3.1	.1	-.1
Machinery, Equipment, and Supplies	4.8	4.8	5.2	.0	-.4
Wholesale Trade-Nondurable Goods	13.3	13.2	13.1	.1	.2
Retail Trade	145.0	144.2	144.2	.8	.9
General Merchandise Stores	20.4	20.3	20.2	.1	.1
Food Stores	16.3	16.5	16.5	-.3	-.3
Automotive Dealers and Service Stations	13.9	13.8	13.9	.2	.0
Finance, Insurance, and Real Estate	60.7	60.6	59.9	.1	.8
Finance	24.2	24.1	24.2	.0	.0
Depository Institutions	13.5	13.4	13.8	.1	-.3
Commercial Banks	11.4	11.3	11.4	.1	.0
Insurance	27.1	27.1	26.9	.0	.1
Insurance Carriers	23.0	23.0	23.0	.0	.0
Services	186.8	184.5	176.0	2.3	10.8
Business Services	43.3	42.5	38.1	.7	5.1
Personnel Supply Services	17.5	16.8	13.3	.6	4.2
Health Services	47.8	47.5	45.6	.3	2.2
Nursing and Personal Care Facilities	8.6	8.5	8.0	.1	.5
Hospitals	22.2	22.2	21.4	.1	.9
Legal Services	4.6	4.6	4.5	.0	.1
Educational Services	8.3	8.4	8.1	-.1	.2
Social Services	13.8	13.7	13.0	.1	.8
Engineering and Management Services	18.7	18.5	18.2	.2	.5
Engineering and Architectural Services	5.2	5.1	4.7	.0	.4
Accounting, Auditing, and Bookkeeping	4.1	4.0	4.1	.1	.1
Research and Testing Services	5.8	5.7	5.9	.0	-.1
Government	133.5	132.8	130.6	.7	2.9
Federal Government	16.1	16.1	16.7	.0	-.5
State Government	58.9	58.1	57.0	.8	1.9
State Government Education[h]	25.4	24.9	24.0	.4	1.4
Local Government	58.5	58.6	56.9	-.1	1.5
Local Government Education	36.0	36.2	35.1	-.2	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

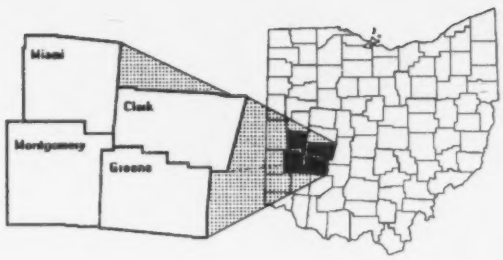
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$540.12	$524.10	$512.10	42.0	41.3	41.6	$12.86	$12.69	$12.31
Durable Goods[f]	558.03	538.76	529.62	42.5	41.7	42.0	13.13	12.92	12.61
Stone, Clay, and Glass Products	560.26	536.36	508.22	44.5	43.5	42.6	12.59	12.33	11.93
Glass and Glassware, Pressed or Blown	490.79	471.74	456.29	42.2	41.6	41.9	11.63	11.34	10.89
Fabricated Metal Products	543.05	515.84	522.91	40.8	40.3	41.6	13.31	12.80	12.57
Industrial Machinery and Equipment	529.52	507.98	496.34	42.6	41.4	41.5	12.43	12.27	11.96
Electronic and Other Electric Equipment	558.15	549.54	495.97	43.1	42.6	41.4	12.95	12.90	11.98
Transportation Equipment	648.01	630.70	660.22	43.0	42.5	44.7	15.07	14.84	14.77
Motor Vehicles and Equipment	658.14	641.78	662.90	43.1	42.7	44.7	15.27	15.03	14.83
Instruments and Related Products	410.65	412.16	407.51	38.2	38.7	38.7	10.75	10.65	10.53
Nondurable Goods[g]	504.71	494.90	475.38	41.0	40.4	40.7	12.31	12.25	11.68
Food and Kindred Products	443.98	436.04	420.62	41.3	40.6	40.6	10.75	10.74	10.36
Dairy Products	640.02	675.28	617.34	44.2	46.0	44.8	14.48	14.68	13.78
Printing and Publishing	582.10	572.62	541.41	40.2	39.6	38.7	14.48	14.46	13.99
Chemicals and Allied Products	681.72	666.93	633.67	43.7	43.0	42.7	15.60	15.51	14.84
Rubber and Miscellaneous Plastics Products	390.17	387.87	400.10	40.1	39.7	42.7	9.73	9.77	9.37
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	451.18	437.47	453.18	34.6	33.6	34.7	13.04	13.02	13.06
Communications, Electric, Gas Services	694.58	694.13	655.78	44.1	44.1	43.2	15.75	15.74	15.18
Communications	694.18	698.61	575.63	44.3	44.3	39.4	15.67	15.77	14.61
Electric, Gas, and Sanitary Services	695.54	685.65	793.81	43.8	43.7	49.8	15.88	15.69	15.94
Wholesale Trade	413.61	407.90	398.74	38.8	38.7	38.6	10.66	10.54	10.33
Retail Trade[f]	183.54	179.31	182.09	26.6	26.1	27.3	6.90	6.87	6.67
General Merchandise Stores	221.24	212.30	209.09	28.4	27.5	28.8	7.79	7.72	7.26
Food Stores	186.91	187.33	186.03	26.4	26.2	26.5	7.08	7.15	7.02
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	492.03	486.44	450.00	....	....	....	.....	.....	.....
Depository Institutions	306.06	298.72	293.27	....	....	....	.....	.....	.....
Commercial Banks	308.12	299.44	291.13	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	247.17	242.76	232.70	32.1	31.9	32.5	7.70	7.61	7.16
Hospitals	395.12	388.60	404.40	33.8	33.5	34.3	11.69	11.60	11.79
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	525.20	515.87	489.27	39.4	38.7	38.8	13.33	13.33	12.61

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Dayton–Springfield Metropolitan Statistical Area

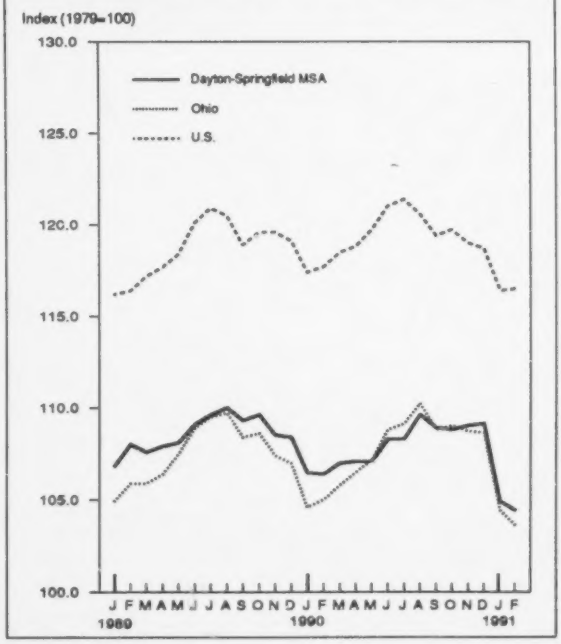


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area increased 1,500 above the February level to 446,600 in March 1991. More business in retail trade and services helped raise employment in service-producing industries 2,700. Employment in goods-producing industries declined 1,200 over the month to 111,200. Temporary layoffs in durable-goods manufacturing, particularly transportation equipment, negated modest gains in construction. Factory production workers averaged $13.48 per hour, up fractionally from February. Their average workweek of 41.0 hours was 0.4 hours longer.

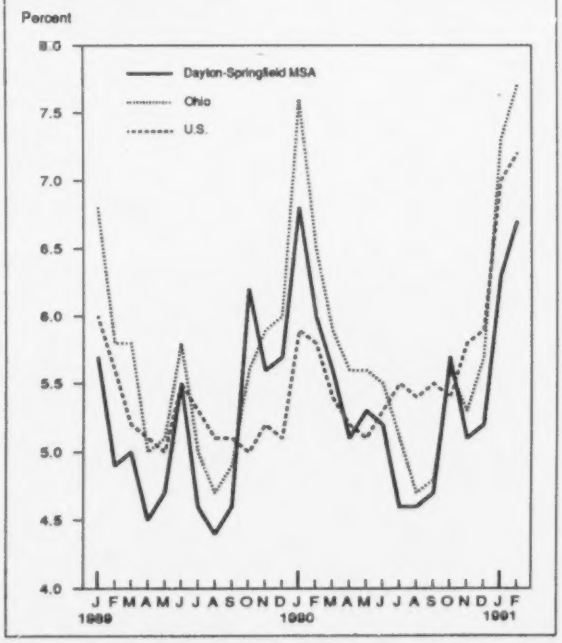
Nonfarm wage and salary employment dropped 2,600 between March 1990 and March 1991. Over-the-year production cutbacks among manufacturers of durable goods and declines in construction employment lowered the workforce in goods-producing industries 6,900. Significant reductions occurred in transportation equipment (-2,900) and industrial machinery and equipment (-1,200). Expansion in service-producing industries added 4,200 employees to the workforce. Primary growth sectors were services, especially business services, and retail trade.

Seasonally adjusted employment in the Dayton-Springfield area, at 451,000 in March 1991, declined 1,000 from February. Temporary layoffs in manufacturing more than offset a nominal increase in transportation and public utilities. Since March 1990, nonfarm payroll employment dropped 3,000. Over-the-year losses in manufacturing and construction outweighed scattered growth in service-producing industries, especially in services.

Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.2	453.8	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
476.8	451.5	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
473.9	447.4	26.4	5.6	March	449.2	102.2	66.0	553.92	41.9	13.22
471.8	447.5	24.3	5.1	April	450.5	102.7	66.6	539.23	41.1	13.12
472.5	447.6	24.9	5.3	May	453.9	103.3	67.1	583.08	43.0	13.56
477.8	452.8	25.0	5.2	June	455.3	104.3	67.8	605.68	43.7	13.86
474.5	452.6	21.9	4.6	July	449.6	103.9	67.0	570.54	42.2	13.52
480.1	458.0	22.1	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
477.3	455.0	22.3	4.7	September	456.3	103.2	66.9	590.04	43.1	13.69
482.1	454.7	27.4	5.7	October	456.4	102.6	66.8	580.98	42.5	13.67
480.2	455.8	24.4	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
480.9	456.0	24.9	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
468.2	438.6	29.6	6.3	January	445.6	100.1	64.6	562.51	41.3	13.62
467.7	436.3	31.4	6.7	February	445.1	98.7	63.3	545.66	40.6	13.44
INA	INA	INA	INA	March	446.6	96.9	61.5	552.68	41.0	13.48

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
454	121	18	103	March	333	18	20	82	17	118	77
451	120	17	103	April	331	18	20	82	17	117	77
453	120	16	103	May	333	18	20	82	17	118	78
453	120	16	104	June	333	18	20	82	17	118	77
453	120	16	103	July	333	18	20	82	17	118	77
453	119	16	103	August	334	18	20	82	17	118	78
452	118	16	102	September	334	19	20	82	17	119	77
452	118	15	102	October	334	18	20	82	17	119	77
452	117	15	101	November	334	19	20	82	17	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
451	117	15	101	January	334	18	20	83	18	119	77
452	116	16	100	February	336	18	20	83	18	120	77
451	114	16	98	March	337	19	20	83	18	120	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	446.6	445.1	449.2	1.5	-2.6
Goods-Producing Industries[e]	111.2	112.5	118.1	-1.2	-6.9
Construction	14.0	13.4	15.5	.6	-1.5
Manufacturing	96.9	98.7	102.2	-1.8	-5.3
Durable Goods[f]	68.0	69.8	73.5	-1.7	-5.5
Fabricated Metal Products	7.7	7.7	8.4	.0	-.7
Industrial Machinery and Equipment	29.7	29.6	30.9	.1	-1.2
Metalworking Machinery	7.8	7.8	8.3	-.1	-.6
General Industrial Machinery	2.8	2.8	2.8	.0	.0
Electronic and Other Electric Equipment	3.5	3.5	3.5	.0	.0
Transportation Equipment	18.6	20.4	21.6	-1.8	-2.9
Motor Vehicles and Equipment	15.8	17.5	18.4	-1.7	-2.6
Nondurable Goods[g]	28.9	29.0	28.7	-.1	.2
Food and Kindred Products	2.7	2.7	2.5	.0	.3
Paper and Allied Products	6.4	6.4	6.2	.0	.2
Printing and Publishing	8.6	8.6	9.0	.0	-.4
Rubber and Miscellaneous Plastics Products	7.5	7.5	7.6	.0	-.1
Service-Producing Industries	335.3	332.6	331.1	2.7	4.2
Transportation and Public Utilities	18.4	18.3	18.1	.1	.3
Transportation	11.9	11.7	11.8	.1	.0
Trucking and Warehousing	5.7	5.6	5.8	.1	-.2
Communications, Electric, Gas Services	6.5	6.5	6.3	.0	.2
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	19.7	19.6	20.1	.1	-.4
Wholesale Trade-Durable Goods	13.4	13.4	13.8	.0	-.4
Wholesale Trade-Nondurable Goods	6.3	6.3	6.3	.0	.0
Retail Trade	81.3	80.2	80.3	1.1	1.1
General Merchandise Stores	12.5	12.4	12.3	.1	.2
Finance, Insurance, and Real Estate	17.5	17.4	17.1	.1	.4
Finance	9.6	9.6	9.4	.0	.2
Depository Institutions	7.3	7.3	7.1	.0	.2
Insurance	4.6	4.6	4.3	.0	.3
Services	119.7	118.8	117.3	.9	2.4
Business Services	23.7	23.6	22.3	.1	1.4
Personnel Supply Services	6.7	6.7	6.0	.1	.7
Computer and Data Processing Services	6.0	6.0	5.2	.0	.8
Health Services	39.5	39.4	39.1	.1	.4
Nursing and Personal Care Facilities	7.0	7.0	7.0	.0	.0
Hospitals	19.9	19.9	20.1	.0	-.2
Educational Services	9.6	9.6	9.6	.0	.0
Social Services	6.6	6.5	6.3	.1	.3
Engineering and Management Services	10.4	10.4	10.4	.0	.0
Research and Testing Services	3.1	3.1	3.1	.0	.0
Government	78.8	78.4	78.2	.4	.6
Federal Government	28.3	28.2	29.3	.1	-1.0
State Government	7.8	7.7	7.5	.1	.3
State Government Education[h]	4.9	4.8	4.6	.1	.4
Local Government	42.7	42.5	41.4	.2	1.3
Local Government Education	27.9	26.8	26.2	.1	.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

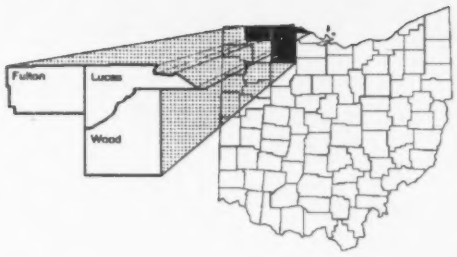
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$552.68	$545.66	$553.92	41.0	40.6	41.9	$13.48	$13.44	$13.22
Durable Goods[f]	576.99	567.59	575.70	41.6	41.1	42.3	13.87	13.81	13.61
Fabricated Metal Products	403.16	396.73	400.49	40.6	40.4	40.7	9.93	9.82	9.84
Industrial Machinery and Equipment	635.21	603.04	588.09	43.3	42.2	42.4	14.67	14.29	13.87
Metalworking Machinery	554.82	552.24	568.09	42.0	41.9	43.8	13.21	13.18	12.97
General Industrial Machinery	604.98	590.78	535.81	47.9	47.3	44.8	12.63	12.49	11.96
Electronic and Other Electric Equipment	370.94	379.68	372.44	41.4	42.0	41.8	8.96	9.04	8.91
Transportation Equipment	688.42	693.94	722.74	40.4	40.7	43.2	17.04	17.05	16.73
Motor Vehicles and Equipment	695.20	697.07	734.40	40.0	40.2	43.2	17.38	17.34	17.00
Nondurable Goods[g]	487.32	489.74	488.82	39.3	39.4	40.6	12.40	12.43	12.04
Food and Kindred Products	347.85	329.28	346.92	39.8	38.2	39.2	8.74	8.62	8.85
Paper and Allied Products	470.02	482.86	487.13	40.8	41.2	43.3	11.52	11.72	11.25
Printing and Publishing	460.56	450.25	467.60	38.8	37.9	40.0	11.87	11.88	11.69
Rubber and Miscellaneous Plastics Products	633.22	624.38	602.14	38.4	38.4	38.5	16.49	16.26	15.64
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	622.45	596.96	560.12	42.2	41.0	40.5	14.75	14.56	13.83
Communications	651.95	631.76	562.99	42.5	41.7	40.3	15.34	15.15	13.97
Wholesale Trade	394.97	398.27	395.58	39.3	39.2	39.4	10.05	10.16	10.04
Retail Trade[i]	180.12	179.31	173.04	28.1	27.8	28.0	6.41	6.45	6.18
General Merchandise Stores	196.27	189.20	182.09	28.2	27.5	27.8	6.96	6.88	6.55
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	285.58	282.33	277.26	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	424.20	417.04	402.34	34.1	34.1	34.3	12.44	12.23	11.73

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

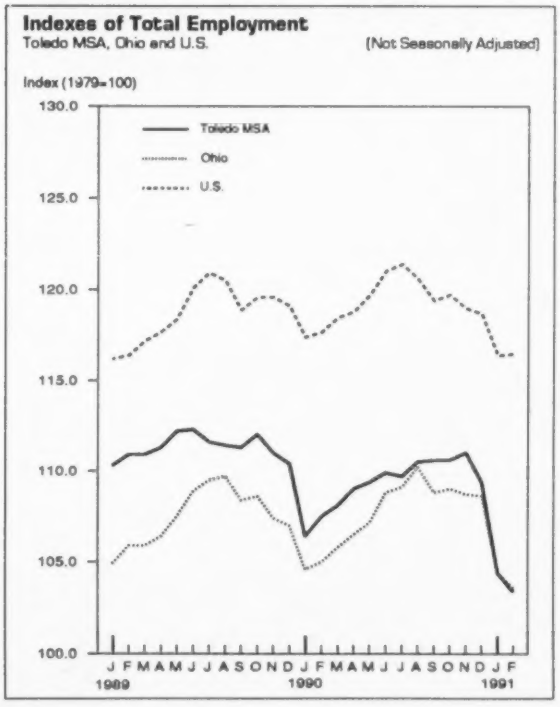
Toledo Metropolitan Statistical Area

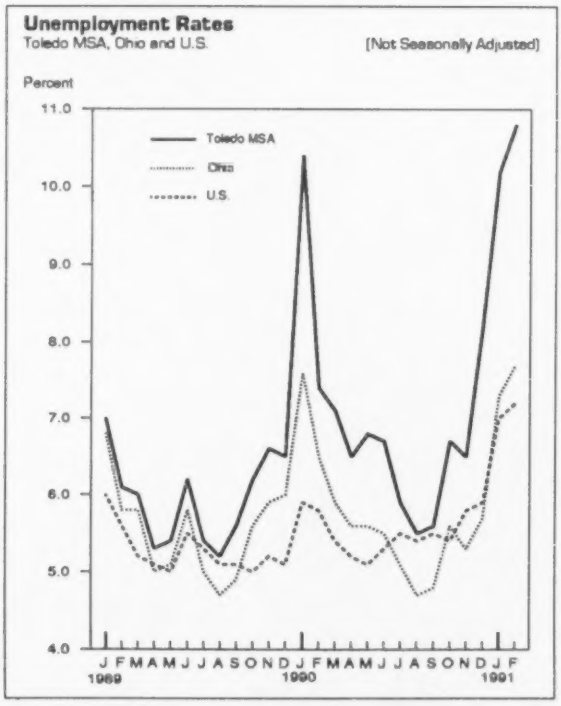


Total nonfarm payroll employment in the Toledo metropolitan area, at 280,100 in March 1991, increased 200 above the February level. Seasonal gains in services, the continued return of nonfaculty personnel in state and local schools and colleges, and more business in retail trade provided 2,600 jobs in the service-producing sector. Employment in goods-producing industries dropped 2,400 over the month to 60,300. Temporary layoffs in durable-goods manufacturing, particularly transportation equipment, overshadowed nominal gains in construction employment. Factory production workers averaged $13.01 per hour, down 29 cents from February. Their average workweek of 42.4 hours was 0.2 hours longer.

Nonagricultural wage and salary employment fell 8,300 between March 1990 and March 1991. Significant over-the-year reductions among manufacturers of durable goods, especially transportation equipment (-7,600), and declines in construction lowered employment in goods-producing industries 9,800. Noteworthy cutbacks occurred in stone, clay, and glass products, and in fabricated metal products. Employment in the service-producing sector advanced 1,400 during the period. Moderate growth in services, notably health services, outweighed scattered declines.

Seasonally adjusted employment in the Toledo area totaled 283,000 in March 1991, down 2,000 from February due to current temporary layoffs in manufacturing. Since March 1990, nonfarm payroll employment dropped 8,000. Significant declines in manufacturing and modest decreases in construction and retail trade overshadowed growth in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
316.2	297.4	18.8	6.0	1989	291.9	61.5	43.9	576.81	43.5	13.26
313.9	292.1	21.8	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
310.8	288.8	21.9	7.1	March	288.4	58.9	42.1	588.60	43.6	13.50
311.5	291.2	20.4	6.5	April	291.2	59.7	43.1	581.79	43.0	13.53
313.5	292.2	21.2	6.8	May	294.0	60.0	43.2	589.37	43.4	13.58
314.9	293.7	21.2	6.7	June	293.1	60.7	43.7	585.90	43.4	13.50
311.6	293.1	18.5	5.9	July	288.9	60.4	43.4	576.09	42.8	13.46
312.3	295.2	17.1	5.5	August	288.4	60.4	43.5	584.87	43.1	13.57
312.9	295.4	17.5	5.6	September	294.4	61.1	44.2	610.94	44.4	13.76
316.7	295.4	21.2	6.7	October	294.8	59.5	42.8	585.30	43.1	13.58
317.3	296.6	20.7	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
318.4	292.3	26.1	8.2	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
310.7	279.0	31.7	10.2	January	281.7	53.9	37.2	566.95	42.5	13.34
309.6	276.3	33.4	10.8	February	280.0	52.9	36.2	561.26	42.2	13.30
INA	INA	INA	INA	March	280.1	50.0	33.4	551.62	42.4	13.01

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
291	72	12	59	March	219	15	15	57	12	76	44
291	73	12	60	April	219	15	15	57	12	76	44
292	72	12	60	May	219	15	15	57	12	76	45
292	72	12	60	June	220	15	15	57	12	76	44
292	72	12	60	July	220	15	15	57	12	77	44
292	72	12	60	August	220	15	15	57	12	77	44
291	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	220	15	15	57	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
287	67	11	56	December	220	15	15	56	12	78	44
				1991							
287	66	11	55	January	221	15	15	56	12	78	44
285	65	11	54	February	220	15	15	56	12	78	43
283	62	11	51	March	221	15	15	56	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	280.1	280.0	288.4	.2	-8.3
Goods-Producing Industries[e]	60.3	62.7	70.0	-2.4	-9.8
Construction	10.0	9.6	11.0	.4	-.9
Manufacturing	50.0	52.9	58.9	-2.9	-8.8
Durable Goods[f]	35.6	38.5	44.0	-2.9	-8.4
Stone, Clay, and Glass Products	7.5	7.6	8.1	-.1	-.6
Primary Metal Industries	2.9	2.9	3.1	.0	-.1
Fabricated Metal Products	6.0	6.0	6.6	-.1	-.6
Metal Forgings and Stampings	2.3	2.3	2.6	.0	-.3
Industrial Machinery and Equipment	5.7	5.8	5.6	-.1	.1
Transportation Equipment	6.3	8.9	13.9	-2.6	-7.6
Nondurable Goods[g]	14.4	14.4	14.9	.0	-.5
Food and Kindred Products	3.6	3.5	3.8	.0	-.2
Rubber and Miscellaneous Plastics Products	3.5	3.5	3.7	.0	-.2
Service-Producing Industries	219.8	217.3	218.4	2.6	1.4
Transportation and Public Utilities	14.4	14.3	14.5	.1	-.1
Transportation	9.5	9.4	9.7	.1	-.2
Communications, Electric, Gas Services	4.8	4.8	4.7	.0	.1
Wholesale Trade	14.9	14.9	15.1	.0	-.2
Wholesale Trade-Durable Goods	9.7	9.7	9.9	.0	-.2
Wholesale Trade-Nondurable Goods	5.2	5.2	5.3	.0	.0
Retail Trade	54.8	54.3	55.2	.5	-.4
General Merchandise Stores	8.1	8.0	8.3	.1	-.1
Finance, Insurance, and Real Estate	11.9	11.9	12.0	.1	-.1
Finance	6.2	6.2	6.3	.1	-.1
Insurance	3.7	3.7	3.8	.0	-.1
Services	77.8	76.6	75.4	1.2	2.4
Business Services	12.4	12.3	12.6	.2	-.2
Personnel Supply Services	4.5	4.4	4.5	.2	.0
Health Services	28.7	28.6	27.7	.1	1.0
Nursing and Personal Care Facilities	4.1	4.1	4.1	.0	.0
Hospitals	15.5	15.5	15.1	.0	.4
Engineering and Management Services	6.2	6.1	6.0	.1	.2
Government	45.9	45.3	46.2	.6	-.2
Federal Government	2.4	2.5	2.7	.0	-.2
State Government	17.8	17.5	17.7	.3	.1
State Government Education[h]	13.6	13.3	13.3	.3	.3
Local Government	25.7	25.3	25.8	.3	-.1
Local Government Education	15.4	15.1	15.2	.3	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

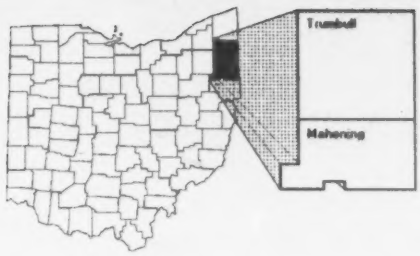
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$551.62	$561.26	$588.60	42.4	42.2	43.6	$13.01	$13.30	$13.50
Durable Goods[f]	546.94	561.19	609.57	42.3	42.1	44.3	12.93	13.33	13.76
Stone, Clay, and Glass Products	529.13	534.25	505.56	41.5	42.2	42.2	12.75	12.66	11.98
Primary Metal Industries	554.02	497.12	487.03	46.4	42.2	43.1	11.94	11.78	11.30
Fabricated Metal Products	517.65	489.76	557.34	42.5	41.4	46.6	12.18	11.83	11.96
Metal Forgings and Stampings	697.53	641.59	729.18	42.3	39.9	44.9	16.49	16.08	16.24
Industrial Machinery and Equipment	475.51	488.87	507.72	40.4	41.5	43.1	11.77	11.78	11.78
Transportation Equipment	741.11	743.09	800.80	41.8	41.7	45.5	17.73	17.82	17.60
Nondurable Goods[g]	565.82	559.63	522.90	42.8	42.3	41.5	13.22	13.23	12.60
Food and Kindred Products	733.04	658.30	603.05	47.6	44.3	42.8	15.40	14.86	14.09
Rubber and Miscellaneous Plastics Products	355.72	353.57	370.05	40.7	40.5	41.3	8.74	8.73	8.96
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	651.66	645.74	731.74	41.8	41.5	44.7	15.59	15.56	16.37
Wholesale Trade	415.11	413.28	420.80	39.8	39.7	40.5	10.43	10.41	10.39
Retail Trade[i]	168.21	166.42	160.40	26.7	26.5	26.6	6.30	6.28	6.03
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	354.40	352.10	362.92	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

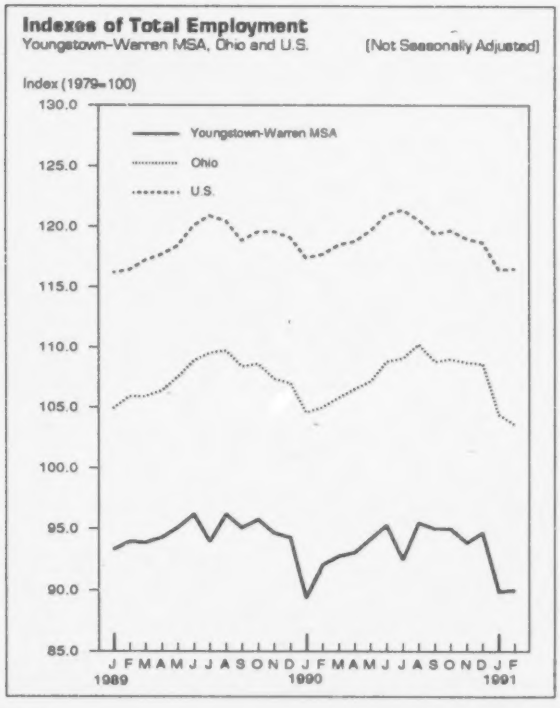
Youngstown-Warren Metropolitan Statistical Area

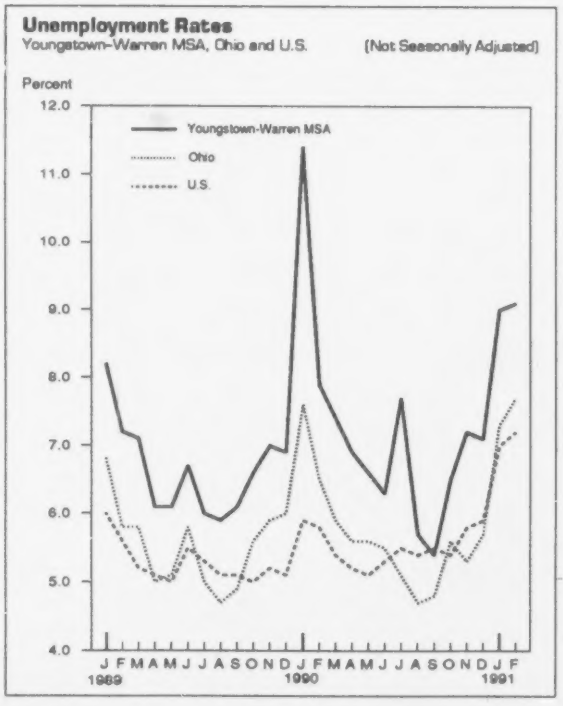


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 1,100 above the February level to 194,700 in March 1991. Employment in service-producing industries increased 1,200 primarily due to more business in services and retail trade. The number of jobs in goods-producing industries decreased 100 over the month to 54,000 as scattered declines among manufacturers of durable goods negated modest improvements in construction. Noteworthy reductions occurred in primary metal industries and fabricated metal products. Factory production workers averaged $15.33 per hour, down fractionally from February. Their average workweek was 0.1 hours longer at 42.1 hours.

Nonfarm wage and salary employment dropped 1,800 between March 1990 and March 1991. Over-the-year production cutbacks in durable-goods manufacturing, especially primary metal industries, transportation equipment, and industrial machinery and equipment, and declines in construction lowered employment in goods-producing industries 2,600. Employment in service-producing industries increased 800 above the year-ago level. Modest growth in services and local schools outweighed decreases in transportation and public utilities.

Seasonally adjusted employment in the Youngstown-Warren area was 1,000 lower than February, at 197,000 in March 1991, due to a decrease in manufacturing. Since March 1990, total nonfarm payroll employment declined 2,000. Reductions were posted in manufacturing, construction, and finance, insurance, and real estate.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.2	208.4	14.9	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
221.8	205.9	15.9	7.2	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
220.2	204.0	16.3	7.4	March	196.6	49.0	36.8	596.24	41.9	14.23
219.9	204.7	15.2	6.9	April	197.7	49.2	37.0	602.45	42.1	14.31
221.8	207.2	14.7	6.6	May	201.3	49.8	37.5	628.72	43.3	14.52
223.7	209.6	14.1	6.3	June	202.0	50.5	38.1	636.08	43.3	14.69
220.2	203.3	16.9	7.7	July	193.4	43.9	31.4	604.56	42.1	14.36
222.8	210.0	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
220.9	209.0	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
223.3	208.8	14.5	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
222.4	206.4	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
224.3	208.3	16.0	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
217.4	197.8	19.6	9.0	January	192.7	46.3	34.0	655.19	42.6	15.38
217.8	197.9	19.9	9.1	February	193.7	47.5	35.2	645.54	42.0	15.37
INA	INA	INA	INA	March	194.7	47.0	35.0	645.39	42.1	15.33

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
199	58	9	49	March	141	7	11	42	9	48	24
198	58	8	49	April	141	7	11	42	8	48	24
199	58	8	49	May	141	7	11	42	8	48	25
199	58	8	50	June	141	7	11	42	8	48	24
195	54	8	45	July	141	7	11	42	8	48	24
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	48	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
197	55	8	47	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
198	56	8	48	January	142	7	11	42	8	48	24
198	56	8	48	February	142	7	11	42	8	48	24
197	55	8	47	March	142	7	11	42	8	48	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	194.7	193.7	196.6	1.1	-1.8
Goods-Producing Industries[e]	54.0	54.2	56.6	-.1	-2.6
Construction	6.6	6.3	7.2	.3	-.6
Manufacturing	47.0	47.5	49.0	-.4	-1.9
Durable Goods[f]	41.6	42.2	43.8	-.6	-2.2
Primary Metal Industries	17.5	17.9	18.4	-.3	-.8
Blast Furnace and Basic Steel Products	6.6	6.6	6.4	-.1	.1
Fabricated Metal Products	6.8	7.0	6.9	-.2	-.1
Metal Forgings and Stampings	3.7	3.7	3.6	.0	.1
Industrial Machinery and Equipment	4.1	4.1	4.4	.0	-.3
Transportation Equipment	8.6	8.6	9.3	.0	-.7
Nondurable Goods[g]	5.4	5.3	5.2	.1	.2
Service-Producing Industries	140.7	139.5	139.9	1.2	.8
Transportation and Public Utilities	7.0	7.0	7.4	.0	-.4
Wholesale Trade	11.2	11.2	11.0	.0	.2
Wholesale Trade-Durable Goods	6.4	6.4	6.6	.0	-.2
Wholesale Trade-Nondurable Goods	4.8	4.8	4.4	.0	.4
Retail Trade	41.0	40.7	41.2	.3	-.2
General Merchandise Stores	5.2	5.3	5.6	-.1	-.4
Finance, Insurance, and Real Estate	8.3	8.2	8.5	.1	-.1
Finance	4.7	4.7	4.7	.1	.1
Services	47.7	47.1	46.8	.6	.9
Health Services	21.6	21.4	21.2	.1	.4
Nursing and Personal Care Facilities	5.0	5.0	5.0	.1	.1
Hospitals	10.7	10.6	10.7	.1	.0
Government	25.5	25.3	25.1	.2	.4
State Government	4.6	4.6	4.7	.1	.0
State Government Education[h]	3.2	3.1	3.2	.1	.0
Local Government	18.8	18.6	18.3	.2	.5
Local Government Education	12.2	12.0	11.8	.2	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

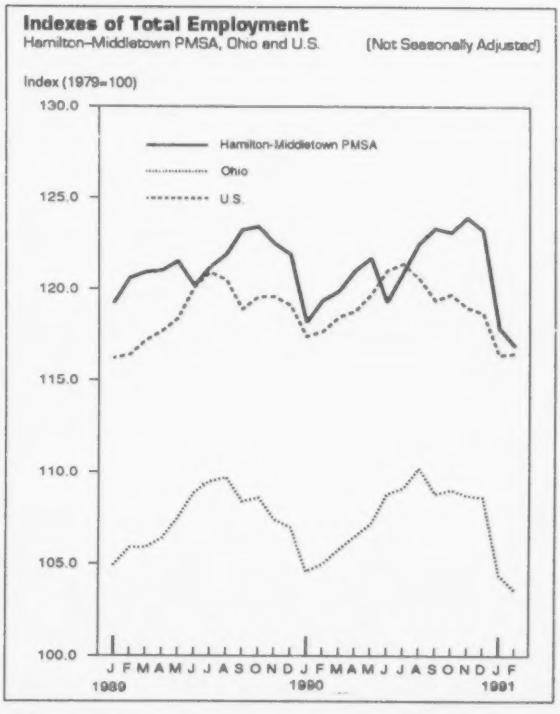
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$645.39	$645.54	$596.24	42.1	42.0	41.9	$15.33	$15.37	$14.23
Durable Goods[f]	665.49	665.07	612.78	42.2	42.2	42.0	15.77	15.76	14.59
Primary Metal Industries	650.35	651.49	651.97	40.8	41.0	41.5	15.94	15.89	15.71
Blast Furnace and Basic Steel Products	669.90	683.80	676.17	46.2	46.9	46.6	14.50	14.58	14.51
Fabricated Metal Products	660.59	648.44	593.96	42.4	41.7	42.7	15.58	15.55	13.91
Metal Forgings and Stampings	800.40	800.84	699.08	43.5	43.5	43.1	18.40	18.41	16.22
Industrial Machinery and Equipment	506.76	518.74	524.10	41.2	41.8	42.3	12.30	12.41	12.39
Transportation Equipment	848.23	849.14	679.81	46.2	46.3	43.3	18.36	18.34	15.70
Nondurable Goods[g]	459.68	437.40	416.98	41.6	39.8	40.8	11.05	10.99	10.22
Wholesale Trade	379.90	377.21	380.00	37.1	37.2	38.5	10.24	10.14	9.87
Retail Trade[i]	183.31	180.10	177.12	26.8	26.8	27.0	6.84	6.72	6.56
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	233.71	236.17	224.07	....	....	....	.....	.....	.....

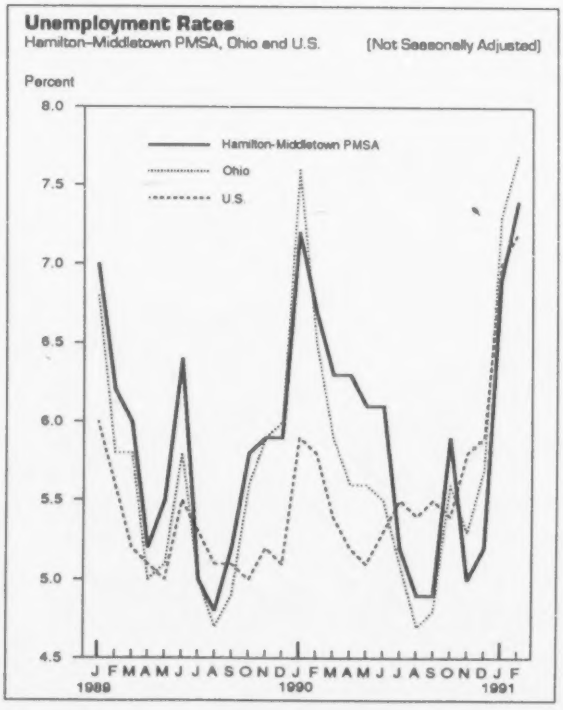
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Hamilton-Middletown Primary Metropolitan Statistical Area

In the Hamilton-Middletown metropolitan area, nonfarm wage and salary employment rose 800 above the February level to 96,300 in March 1991. The number of employees in service-producing industries increased 500 due to more business in services and retail trade. Seasonal hirings in construction and mining raised employment in goods-producing industries 300 to 25,900. Manufacturing production workers averaged $14.49 per hour, up 29 cents from February. Their average workweek was unchanged at 43.4 hours.

Nonagricultural payroll employment advanced 600 between March 1990 and March 1991. Employment in service-producing industries increased 1,500. Over-the-year growth in local and state schools and colleges and in services outweighed decreases in retail trade. Reductions in construction and mining and in manufacturing lowered employment in the goods-producing sector 1,000. Declines in fabricated metal products, industrial machinery and equipment, and paper and allied products more than offset a gain in primary metal industries.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	129.7	130.1	131.4	-.4	-1.7
Employment	120.1	121.1	122.6	-1.0	-2.5
Unemployment	9.6	9.0	8.8	.6	.8
Unemployment Rate	7.4	6.9	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	96.3	95.5	95.7	.8	.6
Goods–Producing Industries	25.9	25.6	26.9	.3	-1.0
Construction and Mining	5.0	4.7	5.7	.3	-.7
Manufacturing	20.9	20.9	21.2	.0	-.3
Durable Goods	14.6	14.5	14.8	.1	-.2
Primary Metal Industries	6.7	6.6	6.4	.1	.3
Fabricated Metal Products	2.4	2.4	2.5	.0	-.2
Industrial Machinery and Equipment	2.3	2.3	2.5	.0	-.2
Nondurable Goods	6.3	6.4	6.4	-.1	-.1
Paper and Allied Products	4.5	4.6	4.6	.0	-.1
Paper Mills	3.3	3.3	3.4	.0	-.2
Service–Producing Industries	70.4	69.9	68.8	.5	1.5
Transportation and Public Utilities	3.4	3.4	3.4	.0	.0
Wholesale Trade	5.8	5.8	5.8	.0	.0
Wholesale Trade–Durable Goods	3.9	3.9	3.9	.0	.1
Retail Trade	17.4	17.3	17.7	.2	-.3
Food Stores	3.3	3.4	3.2	.0	.1
Finance, Insurance, and Real Estate	4.5	4.5	4.6	.0	-.1
Services	19.4	19.1	18.9	.3	.5
Health Services	9.1	9.0	8.4	.1	.7
Government	19.8	19.8	18.5	.0	1.4
State Government (Includes Education)	8.2	8.1	7.8	.0	.4
Local Government	11.0	11.0	10.1	.0	.9
Local Government Education	7.6	7.6	6.7	.0	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

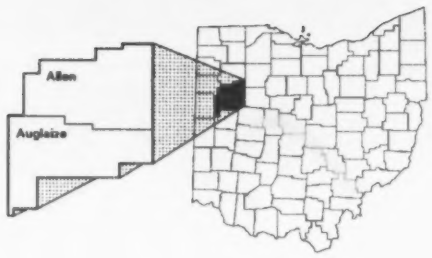
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$628.87	$616.28	$594.44	43.4	43.4	44.0	$14.49	$14.20	$13.51
Durable Goods	647.02	621.78	614.50	43.6	43.0	44.4	14.84	14.46	13.84
Primary Metal Industries	725.76	677.04	680.68	44.8	43.4	44.9	16.20	15.60	15.16
Fabricated Metal Products	496.47	540.51	540.38	39.0	41.9	43.3	12.73	12.90	12.48
Industrial Machinery and Equipment	655.40	625.58	617.24	45.2	43.9	47.7	14.50	14.25	12.94
Nondurable Goods	583.14	602.53	545.65	43.1	44.5	43.1	13.53	13.54	12.66
Paper and Allied Products	617.82	637.54	574.13	44.9	46.4	44.3	13.76	13.74	12.96
Paper Mills	611.09	613.66	576.40	43.9	44.5	43.7	13.92	13.79	13.19
Wholesale Trade	435.24	425.42	449.02	40.3	39.5	42.4	10.80	10.77	10.59
Retail Trade[f]	175.09	172.54	169.80	27.4	27.3	27.7	6.39	6.32	6.13

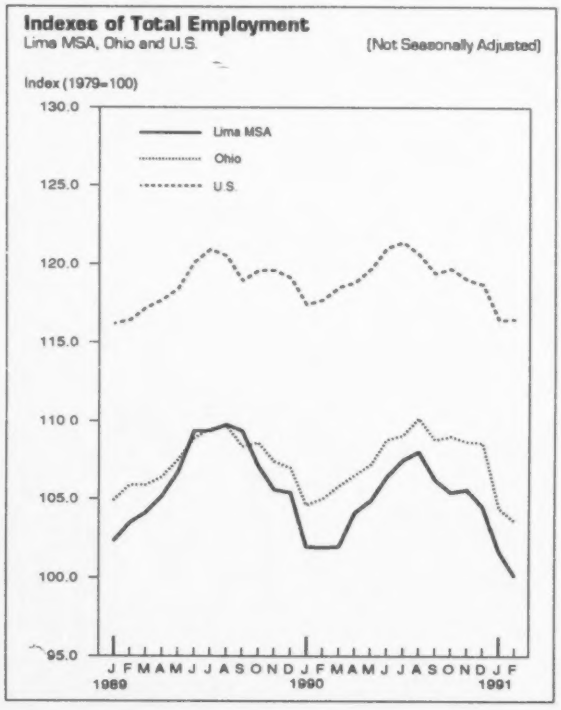
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

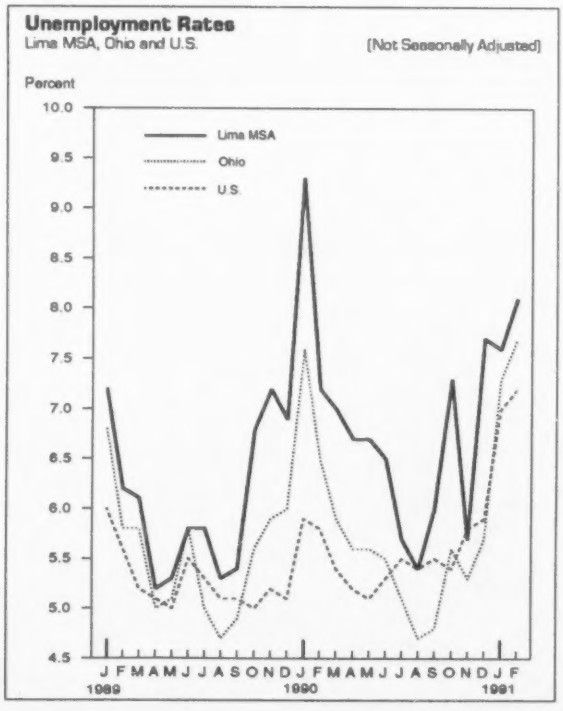
Lima Metropolitan Statistical Area



In the Lima metropolitan area, nonagricultural payroll employment totaled 71,600 in March 1991, up 300 from the February level. Nominal increases in services, transportation and public utilities, and retail trade raised employment in service-producing industries 400. Employment in the goods-producing sector declined 200 over the month to 24,600. Reductions in durable-goods manufacturing, primarily transportation equipment, outweighed marginal growth in construction and mining. Factory production workers averaged $13.57 per hour, unchanged from February. Their average workweek was 0.1 hours longer at 41.2 hours.

Nonfarm wage and salary employment advanced 300 between March 1990 and March 1991. The service-producing sector added 1,000 jobs due to gains in services and local schools. Declines in construction and mining and in manufacturing lowered employment in goods-producing industries 700. Cutbacks among producers of durable goods, especially transportation equipment and industrial machinery and equipment, more than offset improvements in nondurable goods.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	75.2	76.1	75.8	-.8	-.6
Employment	69.2	70.3	70.4	-1.1	-1.2
Unemployment	6.1	5.8	5.5	.3	.6
Unemployment Rate	8.1	7.6	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	71.6	71.3	71.3	.3	.3
Goods-Producing Industries	24.6	24.8	25.4	-.2	-.7
Construction and Mining	2.7	2.6	3.2	.1	-.4
Manufacturing	21.9	22.2	22.2	-.3	-.3
Durable Goods	15.3	15.6	15.9	-.3	-.7
Fabricated Metal Products	2.5	2.6	2.4	.0	.1
Industrial Machinery and Equipment	4.0	4.0	4.2	.0	-.2
Transportation Equipment	6.2	6.5	6.5	-.2	-.3
Motor Vehicles and Equipment	3.2	3.4	3.3	-.2	-.1
Nondurable Goods	6.6	6.6	6.2	.0	.3
Food and Kindred Products	1.8	1.8	1.6	.0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	.0	.1
Service-Producing Industries	47.0	46.5	46.0	.4	1.0
Transportation and Public Utilities	3.1	3.0	3.0	.1	.1
Wholesale Trade	3.3	3.3	3.4	.0	-.1
Retail Trade	13.0	12.9	13.3	.1	-.2
General Merchandise Stores	2.0	2.0	2.1	.0	.0
Finance, Insurance, and Real Estate	2.1	2.1	2.0	.0	.0
Services	15.6	15.4	14.8	.2	.8
Health Services	6.6	6.6	6.3	.0	.3
Hospitals	3.2	3.2	3.1	.0	.0
Government	9.9	9.8	9.5	.0	.3
Local Government	7.4	7.4	7.1	.0	.3
Local Government Education	4.4	4.4	4.1	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

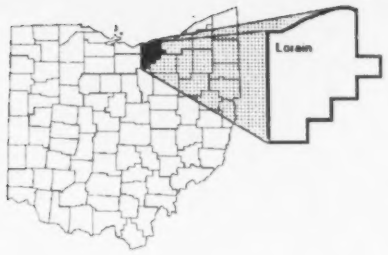
Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$559.08	$557.73	$553.62	41.2	41.1	42.1	$13.57	$13.57	$13.15
Durable Goods	542.94	540.27	546.33	40.7	40.5	41.8	13.34	13.34	13.07
Fabricated Metal Products	352.80	356.72	366.96	39.2	39.2	41.7	9.00	9.10	8.80
Industrial Machinery and Equipment	465.30	457.02	449.40	39.2	38.6	39.7	11.87	11.84	11.32
Transportation Equipment	669.53	664.22	701.33	40.8	40.7	43.0	16.41	16.32	16.31
Motor Vehicles and Equipment	737.21	714.15	822.53	41.3	40.6	45.9	17.85	17.59	17.92
Nondurable Goods	600.53	601.38	575.77	42.5	42.5	43.0	14.13	14.15	13.39
Food and Kindred Products	404.27	383.78	410.55	42.6	41.4	42.9	9.49	9.27	9.57
Rubber and Miscellaneous Plastics Products	664.30	674.36	606.90	45.5	46.0	45.7	14.60	14.66	13.28
Wholesale Trade	371.72	364.94	367.87	38.6	37.7	38.4	9.63	9.68	9.58
Retail Trade[f]	187.66	181.20	186.88	29.6	28.9	29.9	6.34	6.27	6.25
General Merchandise Stores	179.50	172.97	168.48	27.7	26.9	27.0	6.48	6.43	6.24

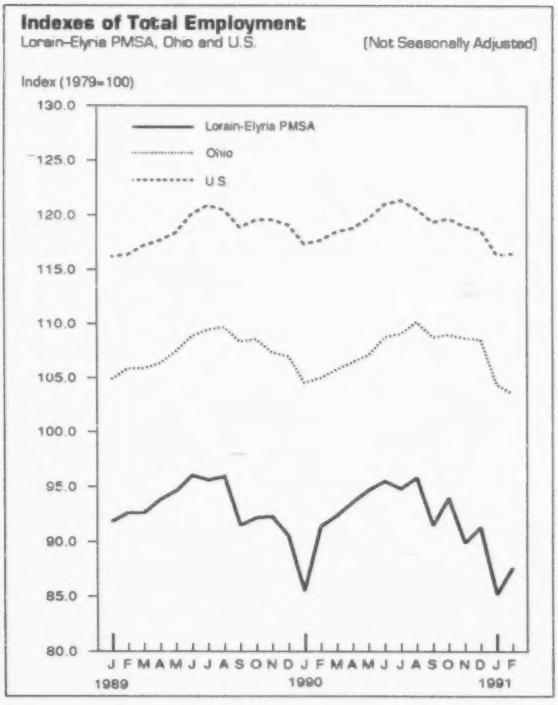
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

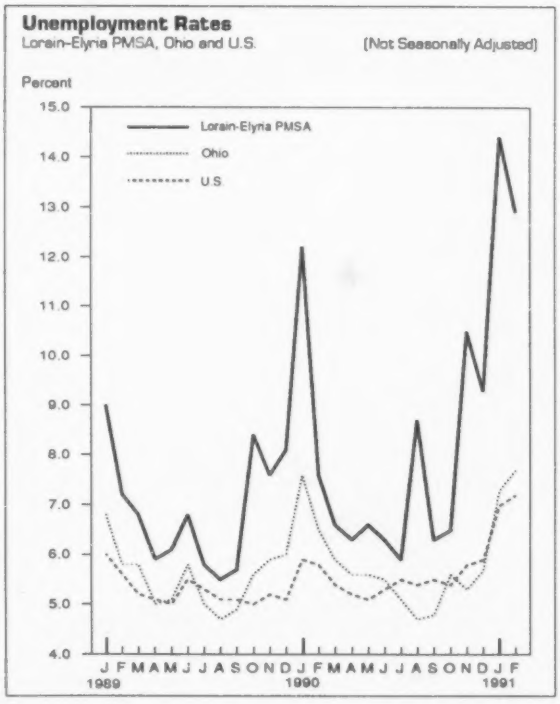
Lorain-Elyria
Primary Metropolitan Statistical Area



Nonagricultural payroll employment in the Lorain-Elyria metropolitan area totaled 92,400 in March 1991, up 3,100 from February. The return of workers from temporary production cutbacks in durable-goods manufacturing, primarily transportation equipment, and slight improvements in construction and mining raised employment in goods-producing industries 2,700 to 32,300. The service-producing sector added 400 jobs mainly due to more business in services. Manufacturing production workers averaged $13.80 per hour, up 71 cents from February. Their average workweek was 0.9 hours longer at 41.9 hours.

Nonfarm wage and salary employment dropped 600 between March 1990 and March 1991. Over-the-year reductions among producers of durable goods, especially primary metal industries, transportation equipment, and fabricated metal products, and decreases in construction and mining lowered employment in goods-producing industries 900. Employment in the service-producing sector increased 300 during the period as growth in government and services, particularly health services, outweighed declines in retail trade.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	120.0	118.8	118.0	1.2	2.1
Employment	104.5	101.7	109.0	2.8	-4.5
Unemployment	15.5	17.1	9.0	-1.6	6.5
Unemployment Rate	12.9	14.4	7.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	92.4	89.3	93.0	3.1	-.6
Goods–Producing Industries	32.3	29.6	33.3	2.7	-.9
Construction and Mining	4.4	4.2	4.7	.2	-.3
Manufacturing	27.9	25.4	28.5	2.5	-.6
Durable Goods	23.4	20.9	24.0	2.5	-.7
Primary Metal Industries	4.2	4.2	4.5	.0	-.3
Fabricated Metal Products	3.8	3.8	4.0	.0	-.2
Transportation Equipment	7.7	5.3	8.0	2.5	-.3
Nondurable Goods	4.6	4.6	4.5	.0	.0
Service–Producing Industries	60.0	59.7	59.7	.4	.3
Transportation and Public Utilities	3.3	3.2	3.1	.0	.1
Wholesale Trade	2.5	2.5	2.5	.0	.1
Retail Trade	15.8	15.9	16.0	.0	-.2
Finance, Insurance, and Real Estate	2.9	2.9	3.1	.0	-.1
Services	21.1	20.8	21.0	.3	.2
Health Services	8.4	8.4	8.1	.0	.3
Hospitals	3.8	3.9	3.9	.0	.0
Government	14.4	14.3	14.1	.0	.3
Local Government	12.1	12.1	11.9	.0	.2
Local Government Education	8.0	8.0	7.8	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

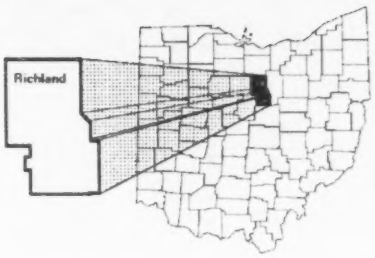
Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$578.22	$536.69	$576.63	41.9	41.0	43.0	$13.80	$13.09	$13.41
Durable Goods	610.30	567.01	606.83	42.5	41.6	43.5	14.36	13.63	13.95
Primary Metal Industries	641.14	642.02	635.10	44.4	44.4	44.6	14.44	14.46	14.24
Fabricated Metal Products	427.43	424.15	430.22	42.7	42.5	43.5	10.01	9.98	9.89
Transportation Equipment	750.61	706.84	752.21	42.6	41.0	44.3	17.62	17.24	16.98
Nondurable Goods	393.47	390.79	402.80	38.5	38.2	40.0	10.22	10.23	10.07
Wholesale Trade	373.63	373.98	365.18	38.4	38.2	38.4	9.73	9.79	9.51
Retail Trade[f]	168.74	167.18	158.87	26.0	25.8	25.5	6.49	6.48	6.23

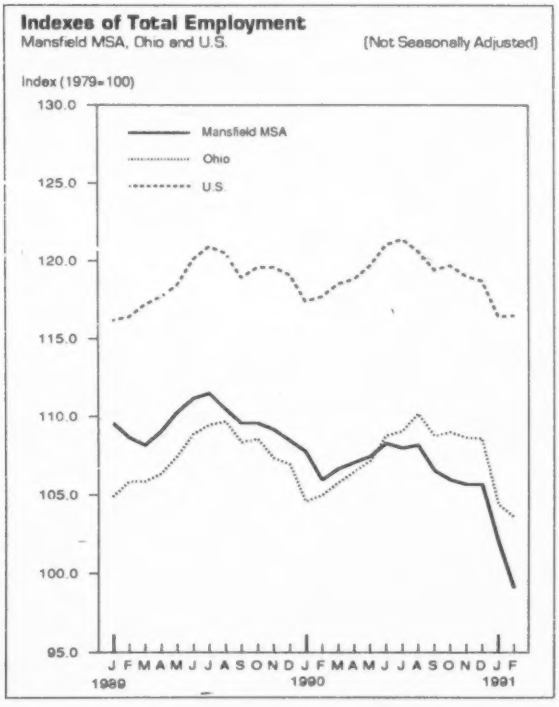
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

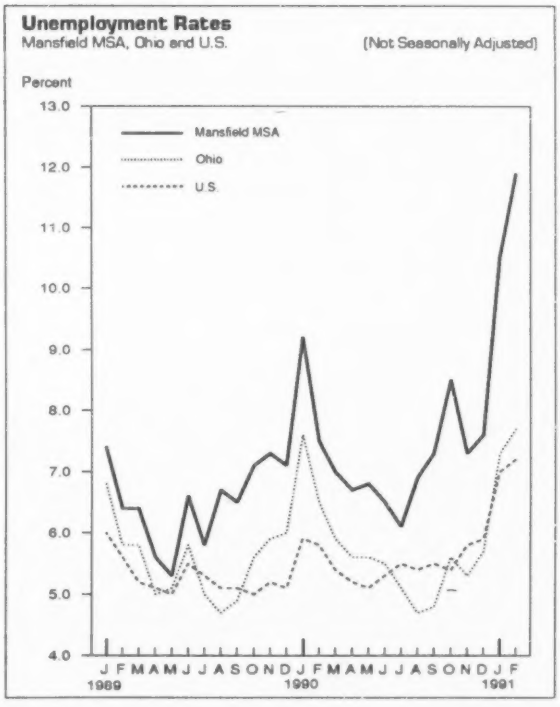
Mansfield Metropolitan Statistical Area



Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 56,700 in March 1991, up 800 from the February level. Improvements in retail trade, government, and services raised employment in the service-producing sector 500. Employment in goods-producing industries rose 300 to 18,200. Slight gains were posted in durable-goods manufacturing, especially fabricated metal products, and in construction and mining. Factory production workers averaged $13.72 per hour, up 14 cents from February. Their average workweek was 0.3 hours longer at 39.5 hours.

Nonagricultural payroll employment fell 3,200 between March 1990 and March 1991. Over-the-year cutbacks among producers of durable goods and slight decreases in construction and mining lowered employment in goods-producing industries 2,500. Noteworthy reductions occurred in electronic and other electric equipment and fabricated metal products. The service-producing sector lost 600 jobs mainly due to declines in retail trade.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	63.3	64.2	64.6	-.8	-1.3
Employment	55.8	57.5	59.7	-1.6	-3.9
Unemployment	7.5	6.7	4.9	.8	2.7
Unemployment Rate	11.9	10.5	7.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	56.7	55.9	59.9	.8	-3.2
Goods-Producing Industries	18.2	17.9	20.7	.3	-2.5
Construction and Mining	1.8	1.7	1.9	.1	-.2
Manufacturing	16.4	16.2	18.8	.2	-2.4
Durable Goods	14.4	14.2	16.8	.2	-2.4
Fabricated Metal Products	4.8	4.7	5.5	.1	-.7
Electronic and Other Electric Equipment	2.4	2.4	3.5	.0	-1.0
Nondurable Goods	2.0	2.0	2.0	.0	.0
Service-Producing Industries	38.5	38.0	39.1	.5	-.6
Transportation and Public Utilities	2.9	2.9	3.0	.0	-.1
Wholesale Trade	2.2	2.2	2.2	.0	-.1
Retail Trade	10.6	10.3	11.1	.2	-.5
Finance, Insurance, and Real Estate	2.2	2.2	2.3	.0	-.1
Services	12.9	12.8	12.8	.1	.1
Health Services	4.5	4.5	4.3	.0	.2
Government	7.8	7.6	7.8	.2	.0
Local Government	5.8	5.7	5.9	.1	-.1
Local Government Education	4.2	4.1	4.0	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

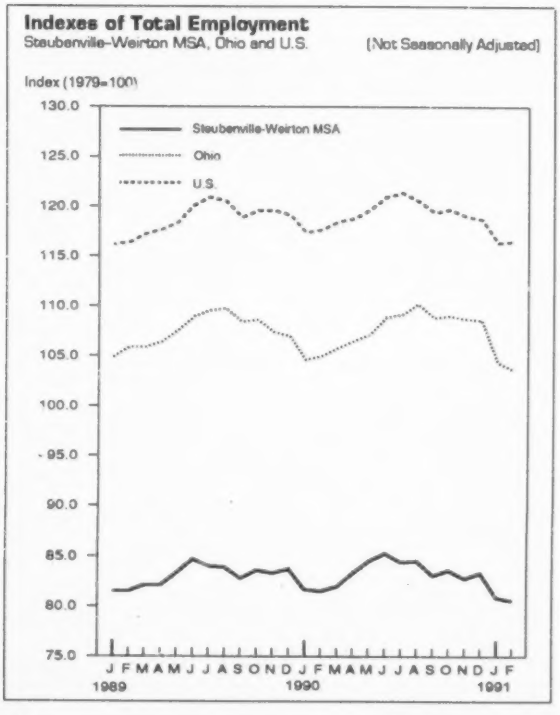
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$541.94	$532.34	$530.32	39.5	39.2	40.7	$13.72	$13.58	$13.03
Durable Goods	561.48	548.51	545.26	39.1	38.6	40.3	14.36	14.21	13.53
Fabricated Metal Products	699.55	676.72	646.09	38.5	37.7	39.3	18.17	17.95	16.44
Electronic and Other Electric Equipment	414.47	429.79	438.74	39.7	40.7	40.4	10.44	10.56	10.86
Nondurable Goods	392.37	399.49	392.91	43.5	43.9	43.9	9.02	9.10	8.95
Wholesale Trade	347.53	344.69	343.40	39.9	40.6	40.4	8.71	8.49	8.50
Retail Trade[j]	173.77	171.04	164.43	26.9	26.6	27.0	6.46	6.43	6.09

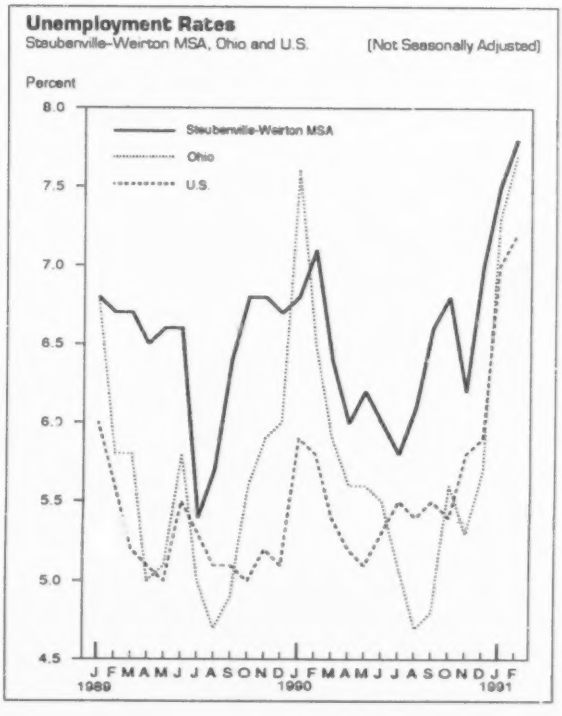
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Steubenville-Weirton Metropolitan Statistical Area

Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area totaled 52,000 in March 1991, up 700 from February. More business in services helped raise employment in service-producing industries 700. Total employment in goods-producing industries was unchanged at 20,100. Nominal gains in construction were offset by declines in manufacturing, especially primary metal industries. Factory production workers averaged $11.68 per hour, down fractionally from February. Their average workweek was 0.1 hours longer at 43.5 hours.

Nonfarm wage and salary employment advanced 700 between March 1990 and March 1991. The service-producing sector added 500 jobs due to over-the-year growth in services and local schools. Expansion in construction outweighed reductions in manufacturing, particularly primary metal industries, to raise employment in goods-producing industries 200 during the period.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1991[b]	Jan. 1991[c]	Feb. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	55.3	55.3	55.5	.0	-.2
Employment	51.0	51.2	51.6	-.2	-.6
Unemployment	4.3	4.1	3.9	.2	.4
Unemployment Rate	7.8	7.5	7.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Total	52.0	51.3	51.3	.7	.7
Goods–Producing Industries	20.1	20.1	19.9	.0	.2
Mining	.8	.8	.8	.0	.0
Construction	2.0	1.8	1.5	.2	.5
Manufacturing	17.3	17.5	17.5	-.2	-.2
Durable Goods	15.7	15.8	16.0	-.1	-.3
Primary Metal Industries	12.4	12.5	12.6	-.2	-.3
Nondurable Goods	1.7	1.7	1.6	.0	.1
Service–Producing Industries	31.9	31.2	31.4	.7	.5
Transportation and Public Utilities	3.0	3.0	3.1	.1	.0
Wholesale Trade	1.2	1.2	1.2	.0	.0
Retail Trade	8.6	8.5	8.7	.1	.0
General Merchandise Stores	1.3	1.3	1.5	.0	-.2
Finance, Insurance, and Real Estate	1.6	1.6	1.7	.0	.0
Services	10.9	10.5	10.5	.3	.4
Health Services	5.1	4.9	4.7	.2	.3
Hospitals	2.4	2.3	2.4	.1	.0
Government	6.5	6.4	6.2	.1	.3
Local Government	5.6	5.5	5.4	.1	.2
Local Government Education	3.7	3.6	3.5	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]
Manufacturing	$508.08	$508.65	$499.38	43.5	43.4	42.5	$11.68	$11.72	$11.75
Durable Goods	529.43	531.19	524.27	43.9	43.9	43.4	12.06	12.10	12.08
Primary Metal Industries	568.06	565.97	556.85	44.8	44.6	44.3	12.68	12.69	12.57
Nondurable Goods	289.64	276.53	191.79	39.3	38.3	31.7	7.37	7.22	6.05
Wholesale Trade	327.32	332.73	342.28	39.2	39.8	39.8	8.35	8.36	8.60
Retail Trade[f]	166.70	166.80	158.71	27.6	27.3	26.9	6.04	6.11	5.90

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	March 1991	February 1991	March 1990
New Applicants	31,994	28,223	37,227
Applicants Active This Program Year	495,697	465,128	572,566
Counseling Interviews	1,076	735	835
Tests Administered	957	1,089	2,412
General Aptitude Tests	514	504	1,431
Proficiency Tests	231	195	2,548
Specific Aptitude Tests	0	0	1,749
Referrals to Jobs	19,157	14,041	24,373
Placements	2,544	2,432	3,167
Job Openings Received	INA	INA	9,334
Job Openings Unfilled	23,476	20,693	17,022

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	March 1991	Febrary 1991	March 1990
Initial Claims	87,668	102,746	45,905
Continued Claims	736,034	741,409	500,886
First Payments	43,210	52,345	27,539
Last Payments	7,811	6,168	6,280
Average Weekly Claimants	179,220	178,169	118,711
Average Weekly Benefit Recipients	166,262	158,338	111,046
Weeks Compensated	698,415	652,997	495,686
Benefits Paid	$123,636,787	$115,719,774	$81,934,927
Ayerage Weekly Payment	$180.46	$180.63	$172.46
Continued Claims for Survey Week	180,524	188,896	114,389
Insured Unemployment Rate	3.9	3.8	2.6
Net Contributions	$3,365,031	$52,868,976	$3,336,473
Active Employer Accounts	209,841	208,355	206,470

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Labor Market Review

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Ohio Labor Market Information

Labor Market Review

April 1991

Summary. The seasonally adjusted unemployment rate in Ohio dropped slightly from 7.3 percent in March 1991 to 7.2 percent in April 1991. The national rate declined from 6.8 percent to 6.6 percent over the month. Total employment in Ohio was up 51,000 from March to 5,124,000 in April. There were 399,000 unemployed Ohioans in April, up 2,000 from March. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,908,000 in April, was down 5,000 from March. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries rose 1,000 from March to 1,297,000 in April. Employment gains in transportation equipment (+5,000) and electronic and other electric equipment (+1,000) were partially offset by losses in industrial machinery and equipment (-3,000) and primary metal industries (-1,000), raising manufacturing employment 2,000, to 1,079,000. Construction employment totaled 201,000, down 1,000 from March. Mining employment was little changed at 17,000.

Service-Producing Industries. There were 3,611,000 people employed in service-producing industries in April, down 6,000 from March. Most of the decrease occurred in retail trade, especially eating and drinking places (-4,000). Finance, insurance, and real estate and government declined 1,000 each, while services added 1,000 jobs. Transportation and public utilities and wholesale trade were virtually unchanged from March.

Over the Year. Ohio's unemployment rate increased from 5.8 percent in April 1990 to 7.2 percent in April 1991. The U.S. rate rose from 5.4 percent to 6.6 percent during the same period. Total employment in Ohio was up 18,000 from April 1990, while total unemployment was 84,000 higher. Nonfarm payroll employment increased 30,000 over the year. Services added 49,000 jobs. All other service-producing industries had smaller gains over the year. Manufacturing employment was down 36,000 from April 1990. Employment in most durable-goods industries was substantially below the year-ago level. The hardest hit were transportation equipment (-9,000), industrial machinery and equipment (-8,000), and fabricated metal products (-7,000). Construction employment rose 2,000, while mining employment declined 1,000 over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $536.18 per week in April, up $1.66 from March. Their average workweek of 41.5 hours was on par with March. Several manufacturing industries had higher earnings due to more overtime, although food and kindred products dropped sharply due to less overtime in preserved fruits and vegetables. Earnings were also down in industrial machinery and equipment. The most significant increases in weekly earnings were in primary metal industries, especially blast furnace and basic steel products, chemicals and allied products, and fabricated metal products.

Benefits and Costs. There were 75,741 initial claims filed under the Ohio Unemployment Compensation Law in April, down 13.6 percent from March, but up 48.3 percent from April

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

1990. Total benefits paid dropped 18.8 percent to $100.4 million. The average weekly benefit check of $178.45 was $2.01 lower than in March. The average weekly number of benefit recipients, at 139,958, decreased 15.8 percent. At the end of April, there were 208,785 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 32,838 new job applicants in April, up 3.0 percent from March, but down 6.0 percent from April 1990. The Employment Services Division made 21,687 job referrals in April, up 13.4 percent over the month. There were 3,618 total placements made, up 42.2 percent.

Occupational Wage and Employment Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs and wages by occupations in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644–2689, or write:

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In This Issue

Summary 1
Seasonally Adjusted Series
Current Data 3
Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
Historical Data 7
Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Apr. 1991	Mar. 1991	Apr. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,523	5,470	5,421	53	102	1.0	1.9
Employment	5,124	5,073	5,106	51	18	1.0	.4
Unemployment	399	397	315	2	84	.5	26.7
Unemployment Rate	7.2	7.3	5.8				
Employer Survey Data[e]							
Total	4,908	4,913	4,878	-5	30	-.1	.6
Goods-Producing Industries	1,297	1,296	1,332	1	-35	.1	-2.6
Mining	17	17	18	0	-1	-.4	-3.2
Coal Mining	7	7	7	0	0	-.4	-5.2
Oil and Gas Extraction	6	6	6	0	0	1.4	-3.1
Construction	201	202	199	-1	2	-.4	.9
General Building Contractors	48	48	48	0	0	-.7	.6
Heavy Construction, Except Building	25	25	24	0	1	1.2	2.9
Special Trade Contractors	128	129	127	-1	1	-.6	.6
Manufacturing	1,079	1,077	1,115	2	-36	.2	-3.3
Durable Goods	712	709	748	2	-37	.3	-4.9
Lumber and Wood Products	21	21	22	0	-1	-.5	-3.7
Furniture and Fixtures	15	15	15	0	0	1.2	1.4
Stone, Clay, and Glass Products	44	44	46	0	-3	.5	-5.5
Primary Metal Industries	96	97	99	-1	-3	-.6	-2.8
Fabricated Metal Products	124	124	132	0	-7	.1	-5.7
Industrial Machinery and Equipment	158	161	166	-3	-8	-1.8	-5.0
Electronic and Other Electric Equipment	76	76	81	1	-4	.9	-5.1
Transportation Equipment	136	131	146	5	-9	3.7	-6.4
Instruments and Related Products	26	26	27	0	-1	-.8	-3.9
Nondurable Goods	367	367	367	0	1	.0	.2
Food and Kindred Products	64	64	62	0	2	-.2	3.8
Apparel and Other Textile Products	14	14	15	0	0	.6	-2.9
Paper and Allied Products	38	38	37	0	1	-1.2	2.1
Printing and Publishing	76	76	75	0	2	.1	2.1
Chemicals and Allied Products	67	67	66	0	1	.4	2.0
Rubber and Misc. Plastics Products	89	89	94	0	-5	.2	-5.0
Service-Producing Industries	3,611	3,617	3,545	-6	66	-.2	1.9
Transportation and Public Utilities	221	221	219	0	2	.1	1.0
Transportation	129	129	127	0	2	.1	2.0
Communications, Electric, Gas Services	92	92	92	0	0	.1	-.3

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Apr. 1991	Mar. 1991	Apr. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	265	265	262	0	3	.0	1.2
Wholesale Trade-Durable Goods	165	165	163	0	1	.0	.8
Wholesale Trade-Nondurable Goods	100	100	98	0	2	-.1	2.0
Retail Trade	910	915	907	-5	3	-.6	.3
Building Materials and Garden Supplies	34	35	34	-1	0	-1.7	.2
General Merchandise Stores	123	123	127	0	-4	.2	-2.8
Food Stores	140	141	140	0	0	-.3	.1
Automotive Dealers and Service Stations	98	98	99	0	-1	-.3	-1.0
Apparel and Accessory Stores	50	50	50	0	1	.3	1.1
Furniture and Homefurnishings Stores	32	31	31	0	0	.7	1.2
Eating and Drinking Places	314	318	311	-4	3	-1.3	.8
Miscellaneous Retail	119	119	116	0	4	-.3	3.1
Finance, Insurance, and Real Estate	256	257	254	-1	2	-.2	.9
Finance	121	121	121	0	0	-.2	.3
Depository Institutions	89	90	90	0	0	-.3	-.5
Insurance	91	91	90	0	1	-.1	0.7
Real Estate	44	45	43	0	1	-.5	2.9
Services	1,230	1,229	1,181	1	49	.1	4.1
Hotels and Other Lodging Places	41	41	39	0	2	-.4	4.3
Personal Services	56	55	55	0	1	.5	1.6
Business Services	228	227	214	1	14	.5	6.7
Amusements, Including Motion Pictures	63	64	60	-1	3	-2.2	4.3
Health Services	408	406	393	1	15	.3	3.7
Legal Services	30	30	29	0	1	.3	3.7
Educational Services	63	64	63	-1	1	-1.0	1.3
Social Services	83	83	79	0	4	.0	5.2
Membership Organizations	79	79	78	0	0	.0	.5
Engineering and Management Services	93	94	90	0	4	-.5	4.3
Government	728	729	722	-1	6	-.2	.9
Federal Government	95	95	100	0	-5	-.3	-5.3
State Government	165	165	161	0	3	.0	1.9
State Government Education	87	87	84	0	3	.1	3.7
Local Government	469	470	460	-1	8	-.2	1.8
Local Government Education	272	272	265	0	6	-.2	2.4

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,375	5,095	280	5.2	5.2	April
5,410	5,121	289	5.3	5.2	May
5,447	5,138	309	5.7	5.4	June
5,428	5,130	298	5.5	5.3	July
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January
5,384	5,007	377	7.0	6.5	February
5,470	5,073	397	7.3	6.8	March
5,523	5,124	399	7.2	6.6	April

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,794	1,335	18	192	1,125	April
4,798	1,332	18	190	1,124	May
4,812	1,335	18	192	1,125	June
4,816	1,329	16	194	1,119	July
4,830	1,336	18	195	1,122	August
4,834	1,332	18	196	1,119	September
4,830	1,322	18	194	1,110	October
4,845	1,332	18	196	1,119	November
4,854	1,330	18	196	1,117	December
					1990
4,840	1,314	18	199	1,097	January
4,873	1,337	18	204	1,116	February
4,888	1,338	18	204	1,117	March
4,878	1,332	18	199	1,115	April
4,895	1,332	18	198	1,117	May
4,903	1,334	18	197	1,119	June
4,903	1,328	18	196	1,114	July
4,910	1,329	18	197	1,115	August
4,911	1,328	17	197	1,113	September
4,921	1,329	17	197	1,115	October
4,913	1,318	17	198	1,103	November
4,914	1,316	17	199	1,100	December
					1991
4,919	1,315	17	200	1,098	January
4,911	1,300	17	202	1,081	February
4,913	1,296	17	202	1,077	March
4,908	1,297	17	201	1,079	April

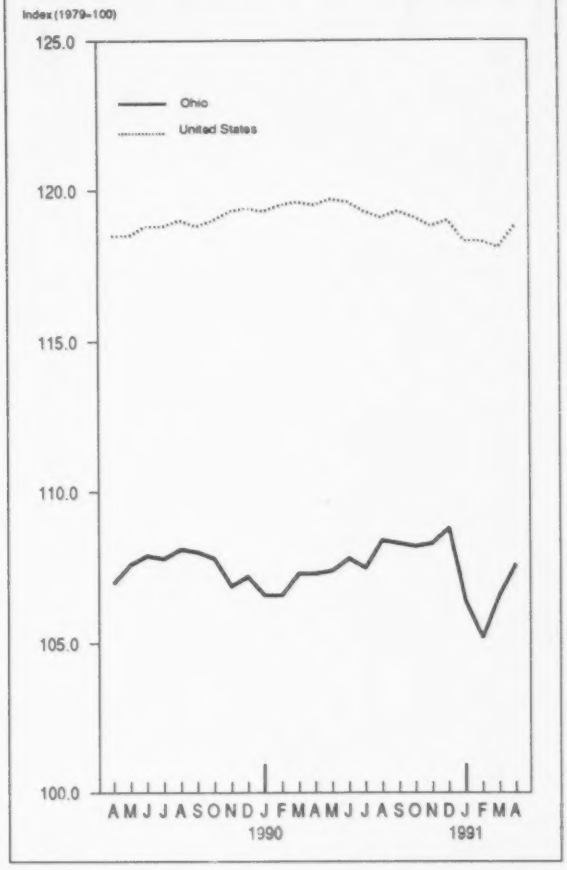
Service-Producing Employment

(In Thousands)

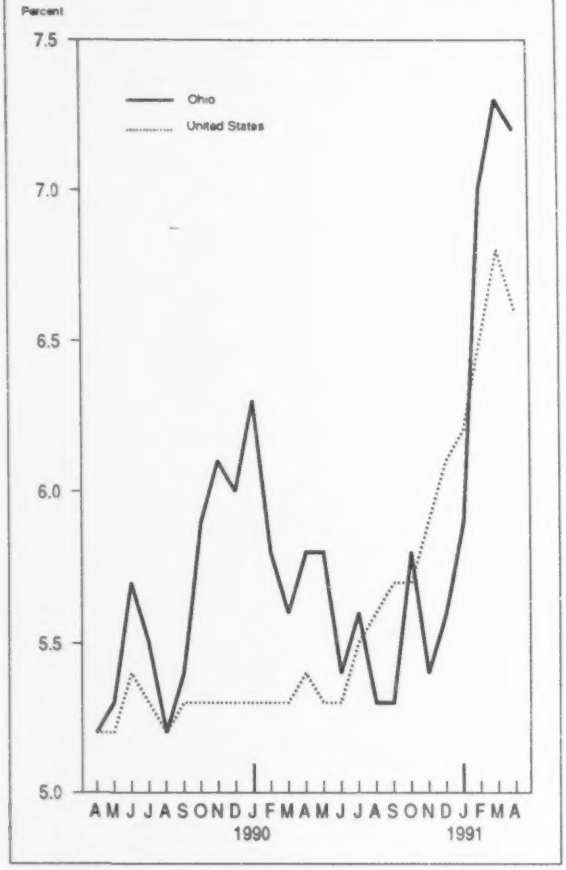
Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,459	215	April	260	896	251	April	1,134	703
3,466	215	May	261	896	251	May	1,137	706
3,477	216	June	261	899	252	June	1,141	708
3,486	216	July	262	901	252	July	1,148	707
3,495	217	August	262	902	253	August	1,155	706
3,502	218	September	261	902	254	September	1,159	708
3,508	218	October	261	902	254	October	1,163	711
3,513	218	November	261	906	254	November	1,164	710
3,524	219	December	260	909	254	December	1,168	714
		1990				1990		
3,526	219	January	261	909	254	January	1,171	714
3,536	219	February	260	910	254	February	1,175	717
3,550	220	March	261	913	255	March	1,181	720
3,545	219	April	262	907	254	April	1,181	722
3,563	220	May	262	908	254	May	1,187	731
3,570	219	June	263	911	255	June	1,195	727
3,576	219	July	263	911	255	July	1,199	728
3,581	219	August	264	913	255	August	1,204	726
3,583	220	September	264	912	255	September	1,207	725
3,592	220	October	264	912	256	October	1,213	727
3,595	220	November	265	913	256	November	1,215	727
3,598	221	December	265	912	256	December	1,218	726
		1991				1991		
3,604	222	January	265	913	257	January	1,220	727
3,611	222	February	265	913	257	February	1,225	730
3,617	221	March	265	915	257	March	1,229	729
3,611	221	April	265	910	256	April	1,230	728

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

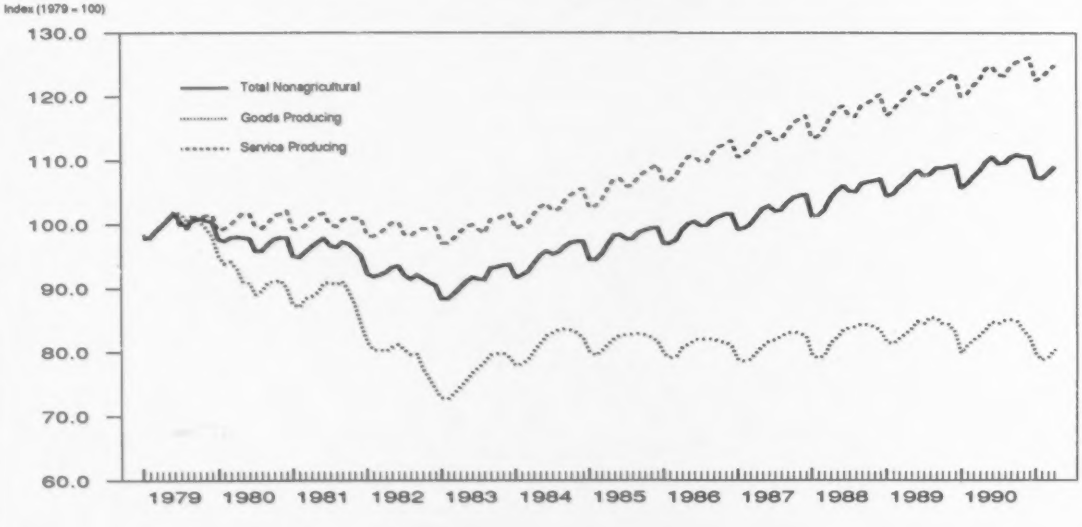
Indexes of Total Employment
Ohio and U.S. (Seasonally Adjusted)



Unemployment Rates
Ohio and U.S. (Seasonally Adjusted)



Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
					1990
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
					1991
5,357	4,968	389	7.3	7.0	January
5,341	4,932	409	7.7	7.2	February
5,417	5,004	414	7.6	7.1	March
5,473	5,087	386	7.1	6.5	April

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
					1990
4,859.9	1,317.5	17.4	188.4	1,111.7	April
4,925.3	1,334.0	17.6	199.1	1,117.2	May
4,956.0	1,352.0	17.9	207.4	1,126.7	June
4,912.3	1,347.3	18.0	214.5	1,114.8	July
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
					1991
4,814.5	1,274.5	16.7	172.2	1,085.6	January
4,807.8	1,256.3	16.4	169.0	1,070.9	February
4,844.7	1,263.4	16.7	176.8	1,069.9	March
4,890.2	1,282.3	16.8	190.2	1,075.2	April

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
		1990				1990		
3,542.4	217.1	April	260.9	896.7	252.6	April	1,178.9	736.1
3,591.3	219.6	May	262.5	910.4	254.2	May	1,194.3	750.3
3,604.0	221.1	June	264.6	920.0	257.3	June	1,214.9	726.1
3,565.0	221.3	July	265.6	917.8	258.5	July	1,217.6	684.2
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
		1991				1991		
3,540.0	217.5	January	262.1	893.0	253.7	January	1,184.3	729.3
3,551.4	216.7	February	261.7	880.4	254.0	February	1,194.7	744.0
3,581.3	217.6	March	262.7	889.4	254.6	March	1,208.7	748.3
3,607.9	219.3	April	264.0	899.8	254.8	April	1,227.1	742.9

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)	
1,264.3	880.3	384.1	1980
1,232.6	858.2	374.4	1981
1,099.9	750.5	349.4	1982
1,066.0	721.9	344.1	1983
1,127.0	771.7	355.4	1984
1,124.2	767.0	357.3	1985
1,109.8	751.0	358.8	1986
1,098.9	738.9	360.0	1987
1,110.6	747.3	363.4	1988
1,122.6	754.7	367.9	1989
1,111.7	743.3	368.5	1990
			1990
1,111.7	748.1	363.6	April
1,117.2	750.7	366.4	May
1,126.7	756.0	370.7	June
1,114.8	745.0	369.9	July
1,120.5	748.4	372.2	August
1,123.2	748.0	375.2	September
1,121.3	746.9	374.4	October
1,106.1	734.4	371.7	November
1,099.9	729.8	370.1	December
			1991
1,085.6	718.1	367.5	January
1,070.9	706.7	364.2	February
1,069.9	706.3	363.6	March
1,075.2	711.1	364.1	April

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)	
867.8	$301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.5	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
751.4	375.5	32.0	1987
762.3	393.0	32.8	1988
770.4	403.3	32.9	1989
757.3	405.9	32.1	1990
			1990
760.7	393.3	31.6	April
763.9	414.2	32.7	May
770.6	422.2	33.1	June
757.4	403.0	32.0	July
763.2	409.7	32.4	August
766.3	426.7	33.1	September
765.0	418.7	32.6	October
749.8	410.8	32.0	November
743.7	403.9	31.5	December
			1991
731.1	394.6	30.7	January
717.4	377.1	29.6	February
716.7	383.1	29.7	March
722.3	387.3	30.0	April

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$347.94	$358.57	$319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
515.57	538.16	466.31	1988
523.50	542.23	478.19	1989
535.94	556.38	492.74	1990
			1990
517.09	534.18	478.06	April
542.28	564.19	493.08	May
547.82	571.14	497.12	June
532.14	550.35	491.99	July
536.78	555.93	493.92	August
556.85	581.16	504.38	September
547.41	571.43	496.78	October
547.84	568.43	503.37	November
543.13	562.22	501.06	December
			1991
539.70	559.99	497.90	January
525.71	541.86	492.79	February
534.52	551.20	498.08	March
536.18	552.78	498.87	April

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
43.0	43.4	42.2	1988
42.7	43.0	41.8	1989
42.4	42.7	41.9	1990
			1990
41.5	41.7	41.0	April
42.8	43.2	42.0	May
43.0	43.4	42.2	June
42.2	42.4	41.8	July
42.4	42.6	42.0	August
43.2	43.5	42.6	September
42.6	42.9	42.1	October
42.7	42.9	42.3	November
42.3	42.4	42.0	December
			1991
42.0	42.2	41.7	January
41.2	41.3	41.1	February
41.5	41.6	41.3	March
41.5	41.5	41.4	April

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$ 8.57	$ 8.81	$ 7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
11.99	12.40	11.05	1988
12.26	12.61	11.44	1989
12.64	13.03	11.76	1990
			1990
12.46	12.81	11.66	April
12.67	13.06	11.74	May
12.74	13.16	11.78	June
12.61	12.98	11.77	July
12.66	13.05	11.76	August
12.89	13.36	11.84	September
12.85	13.32	11.80	October
12.83	13.25	11.90	November
12.84	13.26	11.93	December
			1991
12.85	13.27	11.94	January
12.76	13.12	11.99	February
12.88	13.25	12.06	March
12.92	13.32	12.05	April

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	149.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.3	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
46.1	99.3	131.5	April	165.8	80.1	146.7	April	60.3	74.3	93.7
46.0	100.3	132.4	May	166.0	79.8	147.1	May	61.0	74.5	94.5
46.5	101.7	133.4	June	166.7	79.7	148.7	June	61.8	75.3	95.7
46.2	99.4	132.0	July	166.3	79.4	142.4	July	61.9	75.7	93.8
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.6	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	78.6	147.0	October	64.3	75.9	95.4
45.4	99.8	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	126.8	January	163.1	76.2	134.3	January	62.5	75.7	91.9
42.5	95.5	122.9	February	161.2	76.1	133.2	February	62.1	75.6	89.5
42.6	96.8	123.4	March	160.5	75.8	131.3	March	62.5	75.6	88.6
43.6	96.5	123.9	April	157.5	76.1	137.3	April	62.6	75.8	89.0

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.39	479.83	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
488.31	650.32	518.32	January	548.70	475.69	724.55	January	482.89	479.50	449.90
490.31	599.23	501.39	February	532.98	472.73	703.50	February	469.68	485.10	443.48
499.31	624.75	511.60	March	537.20	477.99	715.29	March	497.20	484.31	447.12
498.96	640.90	515.21	April	531.71	476.83	705.18	April	479.49	483.94	450.43

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	4890.2	4844.7	4859.9	45.5	30.3
Goods-Producing Industries	1282.3	1263.4	1317.5	18.9	-35.2
Mining	16.8	16.7	17.4	.2	-.6
Coal Mining	6.6	6.6	6.9	.0	-.4
Oil and Gas Extraction	5.5	5.6	5.7	-.1	-.2
Construction	190.2	176.8	188.4	13.4	1.8
General Building Contractors	46.0	43.9	45.6	2.1	.3
Nonresidential Building Construction	23.4	22.7	23.6	.7	-.2
Heavy Construction, Except Building	22.5	18.3	21.8	4.2	.7
Highway and Street Construction	7.8	5.4	7.3	2.4	.5
Special Trade Contractors	121.8	114.6	121.0	7.1	.8
Manufacturing	1075.2	1069.9	1111.7	5.3	-36.5
Durable Goods[f]	711.1	706.3	748.1	4.8	-37.0
Lumber and Wood Products	20.7	20.4	21.6	.4	-.8
Millwork, Plywood and Structural Members	9.4	9.2	9.9	.2	-.5
Furniture and Fixtures	15.2	15.1	15.0	.1	.2
Stone, Clay, and Glass Products	43.6	42.6	46.1	1.0	-2.5
Primary Metal Industries	96.5	96.8	99.3	-.3	-2.8
Blast Furnace and Basic Steel Products	45.0	45.6	46.2	-.6	-1.2
Iron and Steel Foundries	18.7	18.7	19.1	.0	-.3
Nonferrous Rolling and Drawing	15.5	15.2	16.3	.2	-.8
Nonferrous Foundries	10.1	10.2	10.4	-.1	-.3
Fabricated Metal Products	123.9	123.4	131.5	.6	-7.6
Fabricated Structural Metal Products	27.5	27.7	28.9	-.2	-1.4
Metal Forgings and Stampings	35.4	34.3	38.0	1.1	-2.7
Industrial Machinery and Equipment	157.5	160.5	165.8	-3.0	-8.3
Construction and Related Machinery	12.0	12.1	13.5	-.1	-1.4
Metalworking Machinery	46.7	47.1	48.2	-.4	-1.4
Special Industry Machinery	15.6	15.8	16.9	-.2	-1.4
General Industrial Machinery	25.0	25.5	25.9	-.5	-.9
Computer and Office Equipment	10.7	10.7	11.1	.0	-.4
Refrigeration and Service Machinery	13.7	15.4	16.0	-1.7	-2.3
Electronic and Other Electric Equipment	76.1	75.8	80.1	.3	-4.1
Electrical Industrial Apparatus	11.7	11.8	12.3	-.1	-.6
Household Appliances	14.7	14.3	16.2	.3	-1.5
Electric Lighting and Wiring Equipment	15.9	16.0	16.4	-.1	-.4
Electronic Components and Accessories	11.2	11.3	11.9	-.1	-.7
Transportation Equipment	137.3	131.3	146.7	6.0	-9.4
Motor Vehicles and Equipment	93.9	88.8	100.7	5.1	-6.8
Aircraft and Parts	36.0	35.3	37.6	.7	-1.7
Instruments and Related Products	25.6	25.8	26.6	-.2	-1.0
Measuring and Controlling Devices	14.7	14.8	15.8	-.1	-1.1
Nondurable Goods[g]	364.1	363.6	363.6	.5	.5
Food and Kindred Products	62.6	62.5	60.3	.0	2.3
Dairy Products	10.5	10.4	9.7	.2	.8
Preserved Fruits and Vegetables	10.7	10.8	10.2	-.1	.4
Bakery Products	9.6	9.5	9.4	.0	.2
Apparel and Other Textile Products	14.2	14.1	14.6	.1	-.4
Paper and Allied Products	37.6	38.1	36.9	-.4	.8
Paperboard Containers and Boxes	13.7	13.8	13.2	-.1	.5
Miscellaneous Converted Paper Products	12.2	12.4	12.2	-.2	.0
Printing and Publishing	75.8	75.6	74.3	.2	1.5
Newspapers	18.7	18.6	18.9	.0	-.3
Commercial Printing	28.4	28.3	27.2	.1	1.2
Chemicals and Allied Products	66.5	66.4	65.3	.1	1.3
Plastics Materials and Synthetics	9.6	9.6	9.6	.0	.1
Rubber and Miscellaneous Plastics Products	89.0	88.6	93.7	.5	-4.7
Tires and Inner Tubes	14.7	14.7	14.7	.0	.0
Miscellaneous Plastics Products	54.6	53.9	57.1	.7	-2.5
Service-Producing Industries	3607.9	3581.3	3542.4	26.7	65.5
Transportation and Public Utilities	219.3	217.6	217.1	1.7	2.2
Transportation	127.7	126.1	125.2	1.5	2.5
Railroad Transportation	11.3	11.1	12.1	.2	-.8
Trucking and Warehousing	75.0	74.4	74.1	.7	.9
Transportation by Air	15.5	15.4	14.1	.1	1.4
Communications, Electric, Gas Services	91.7	91.5	91.9	.2	-.3
Communications	48.3	48.1	48.5	.2	-.3
Electric, Gas, and Sanitary Services	43.4	43.4	43.4	.0	.0

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Wholesale Trade	264.0	262.7	260.9	1.3	3.1
Wholesale Trade-Durable Goods	164.2	163.7	162.9	.5	1.2
Motor Vehicles, Parts, and Supplies	22.0	21.9	21.9	.2	.1
Professional and Commercial Equipment	32.0	32.1	32.0	-.1	.1
Metals and Minerals, Except Petroleum	11.0	11.1	10.9	-.1	.1
Electrical Goods	17.3	17.4	17.5	-.2	-.2
Hardware, Plumbing and Heating Equipment	12.3	12.2	12.3	.1	-.1
Machinery, Equipment, and Supplies	41.1	40.8	40.5	.3	.7
Wholesale Trade-Nondurable Goods	99.9	99.1	98.0	.8	1.9
Groceries and Related Products	34.1	33.7	32.8	.4	1.4
Retail Trade	899.8	889.4	896.7	10.4	3.0
Building Materials and Garden Supplies	34.6	33.0	34.5	1.6	.1
Lumber and Other Building Materials	17.3	16.8	17.3	.5	.0
General Merchandise Stores	119.0	118.6	122.3	.3	-3.3
Department Stores	99.5	99.2	102.2	.3	-2.8
Variety Stores	9.5	9.4	9.8	.0	-.3
Food Stores	138.7	137.8	138.6	.9	.2
Grocery Stores	123.4	122.6	122.7	.8	.6
Automotive Dealers and Service Stations	97.8	96.9	98.7	.8	-.9
New and Used Car Dealers	41.1	40.9	42.0	.2	-.9
Gasoline Service Stations	35.1	35.0	35.3	.0	-.2
Apparel and Accessory Stores	48.6	48.5	48.1	.2	.5
Furniture and Homefurnishings Stores	31.2	31.1	30.8	.1	.4
Eating and Drinking Places	313.1	306.7	310.5	6.4	2.6
Miscellaneous Retail	116.8	116.8	113.2	-.1	3.5
Drug Stores and Proprietary Stores	31.2	31.2	30.6	.0	.6
Nonstore Retailers	22.6	23.2	21.5	-.6	1.1
Finance, Insurance, and Real Estate	254.8	254.6	252.6	.2	2.2
Finance	120.5	120.8	120.2	-.3	.3
Depository Institutions	88.9	89.1	89.3	-.2	-.4
Commercial Banks	63.8	63.9	63.2	-.1	.6
Insurance	90.6	90.8	90.0	-.2	.6
Insurance Carriers	68.8	68.9	68.6	-.1	.3
Life Insurance	25.3	25.4	25.1	-.1	.2
Fire, Marine, and Casualty Insurance	30.8	30.7	30.5	.1	.3
Real Estate	43.7	43.0	42.5	.7	1.2
Services	1227.1	1208.7	1178.9	18.4	48.2
Hotels and Other Lodging Places	39.4	38.9	37.8	.5	1.6
Personal Services	57.6	56.8	56.7	.9	1.0
Business Services	224.3	220.7	210.5	3.7	13.9
Services to Buildings	34.5	33.9	33.8	.5	.6
Personnel Supply Services	76.8	74.2	71.2	2.5	5.6
Computer and Data Processing Services	29.3	29.1	27.1	.2	2.2
Amusements, Including Motion Pictures	59.9	52.0	57.5	7.9	2.4
Health Services	405.5	404.2	390.9	1.3	14.7
Nursing and Personal Care Facilities	87.1	86.6	84.7	.4	2.3
Hospitals	193.6	193.5	188.1	.1	5.5
Legal Services	29.6	29.5	28.6	.1	1.0
Educational Services	67.5	69.3	66.7	-1.7	.9
Colleges and Universities	38.6	40.1	38.3	-1.4	.3
Social Services	82.9	82.7	78.8	.2	4.1
Residential Care	24.3	24.2	23.1	.1	1.2
Membership Organizations	78.7	78.5	78.3	.2	.3
Engineering and Management Services	93.3	93.4	89.5	-.1	3.8
Engineering and Architectural Services	29.2	28.9	27.7	.3	1.5
Accounting, Auditing, and Bookkeeping	22.4	22.6	21.8	-.2	.6
Research and Testing Services	19.2	19.2	18.9	.0	.4
Management and Public Relations	22.5	22.7	21.1	-.2	1.4
Government	742.9	748.3	736.1	-5.4	6.8
Federal Government	94.6	94.5	99.9	.1	-5.3
U.S. Postal Service	33.1	33.1	33.9	.0	-.8
State Government	172.8	173.9	169.4	-1.1	3.4
State Government Hospitals	15.2	15.4	15.9	-.2	-.7
State Government Education[h]	95.1	96.7	91.8	-1.5	3.4
Local Government	475.5	479.9	466.8	-4.4	8.7
Local Government Hospitals	14.5	14.5	14.1	.1	.5
Local Government Education	281.4	286.5	274.8	-5.1	6.6

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Goods-Producing Industries	$551.15	$549.10	$528.02	41.1	41.1	40.9	$13.41	$13.36	$12.91
Mining	591.59	601.25	615.56	42.9	43.1	44.0	13.79	13.95	13.99
Coal Mining	735.53	760.16	756.50	43.6	44.9	44.5	16.87	16.93	17.00
Construction	629.85	622.85	586.66	39.0	38.4	37.8	16.15	16.22	15.52
General Building Contractors	562.37	553.74	527.10	39.6	39.3	38.9	14.13	14.09	13.55
Heavy Construction, Except Building	684.32	652.21	560.16	41.6	39.6	36.0	16.45	16.47	15.56
Special Trade Contractors	640.76	638.99	608.48	38.3	37.9	37.7	16.73	16.86	16.14
Manufacturing	536.18	534.52	517.09	41.5	41.5	41.5	12.92	12.88	12.46
Durable Goods[f]	552.78	551.20	534.18	41.5	41.6	41.7	13.32	13.25	12.81
Lumber and Wood Products	318.01	319.32	311.33	38.5	38.8	38.2	8.26	8.23	8.15
Millwork, Plywood and Structural Members	369.44	369.56	359.86	40.2	40.7	40.8	9.19	9.08	8.82
Furniture and Fixtures	413.76	415.16	364.69	42.7	42.8	39.9	9.69	9.70	9.14
Stone, Clay, and Glass Products	498.96	499.31	494.79	42.0	42.1	43.1	11.88	11.86	11.48
Primary Metal Industries	640.90	624.75	636.41	43.1	42.5	43.8	14.87	14.70	14.53
Blast Furnace and Basic Steel Products	681.14	651.20	651.84	45.5	44.0	44.8	14.97	14.80	14.55
Iron and Steel Foundries	667.07	645.19	701.63	41.0	40.4	44.1	16.27	15.97	15.91
Nonferrous Rolling and Drawing	628.95	631.80	661.99	38.8	39.0	41.4	16.21	16.20	15.99
Nonferrous Foundries	452.41	476.95	443.52	42.6	44.7	42.2	10.62	10.67	10.51
Fabricated Metal Products	515.21	511.60	493.61	40.6	40.7	41.1	12.69	12.57	12.01
Fabricated Structural Metal Products	454.51	456.50	453.47	40.8	41.5	41.3	11.14	11.00	10.98
Metal Forgings and Stampings	635.39	630.92	603.39	40.6	40.6	41.3	15.65	15.54	14.61
Industrial Machinery and Equipment	531.71	537.20	509.60	41.9	42.1	41.6	12.69	12.76	12.25
Construction and Related Machinery	452.02	460.57	438.98	38.9	39.5	39.3	11.62	11.66	11.17
Metalworking Machinery	513.15	508.62	505.33	42.2	42.0	42.5	12.16	12.11	11.89
Special Industry Machinery	510.00	516.67	486.99	42.5	43.2	42.2	12.00	11.96	11.54
General Industrial Machinery	578.64	590.11	535.61	41.9	42.7	40.7	13.81	13.82	13.16
Computer and Office Equipment	490.59	488.11	491.06	41.4	41.4	43.0	11.85	11.79	11.42
Refrigeration and Service Machinery	571.84	574.20	554.80	40.7	39.6	40.0	14.05	14.50	13.87
Electronic and Other Electric Equipment	476.83	477.99	437.80	41.0	41.1	39.8	11.63	11.63	11.00
Electrical Industrial Apparatus	452.24	452.65	416.47	41.3	41.3	40.2	10.95	10.96	10.36
Household Appliances	488.42	490.02	471.64	40.1	40.1	39.6	12.18	12.22	11.91
Electric Lighting and Wiring Equipment	489.61	488.62	461.37	39.2	39.5	39.0	12.49	12.37	11.83
Electronic Components and Accessories	353.14	362.50	322.81	41.4	42.2	40.2	8.53	8.59	8.03
Transportation Equipment	705.18	715.29	691.32	41.9	42.4	43.1	16.83	16.87	16.04
Motor Vehicles and Equipment	721.41	732.17	717.32	41.7	42.2	43.5	17.30	17.35	16.49
Aircraft and Parts	676.43	686.64	633.88	43.5	44.1	42.4	15.55	15.57	14.95
Instruments and Related Products	396.00	395.40	371.52	39.6	39.5	38.7	10.00	10.01	9.60
Measuring and Controlling Devices	392.73	387.31	363.84	39.0	38.5	37.9	10.07	10.06	9.60
Nondurable Goods[g]	498.87	498.08	479.06	41.4	41.3	41.0	12.05	12.06	11.66
Food and Kindred Products	479.49	497.20	445.61	41.3	42.1	40.4	11.61	11.81	11.03
Dairy Products	500.21	490.26	477.00	42.9	42.3	42.4	11.66	11.59	11.25
Preserved Fruits and Vegetables	496.40	555.56	453.18	40.0	43.1	39.0	12.41	12.89	11.62
Bakery Products	491.98	486.07	483.34	38.8	38.7	39.2	12.68	12.56	12.33
Apparel and Other Textile Products	308.10	300.25	304.72	39.0	38.2	37.9	7.90	7.86	8.04
Paper and Allied Products	521.57	519.93	493.85	43.5	43.4	42.5	11.99	11.98	11.62
Paperboard Containers and Boxes	463.71	456.86	412.70	43.5	43.1	40.5	10.66	10.60	10.19
Miscellaneous Converted Paper Products	450.02	469.98	427.52	40.8	42.0	40.6	11.03	11.19	10.53
Printing and Publishing	483.94	484.31	458.25	39.7	39.6	39.2	12.19	12.23	11.69
Newspapers	380.58	391.10	376.49	32.5	33.2	33.2	11.71	11.78	11.34
Commercial Printing	480.22	480.39	457.41	40.8	40.2	40.3	11.77	11.95	11.35
Chemicals and Allied Products	623.22	611.46	610.42	43.4	43.0	43.2	14.36	14.22	14.13
Plastics Materials and Synthetics	682.68	681.70	706.50	43.4	43.2	45.0	15.73	15.78	15.70
Rubber and Miscellaneous Plastics Products	450.43	447.12	434.42	40.8	40.5	40.6	11.04	11.04	10.70
Tires and Inner Tubes	688.22	688.76	655.50	42.3	42.1	42.4	16.27	16.36	15.46
Miscellaneous Plastics Products	431.33	428.27	424.04	40.5	40.1	40.5	10.65	10.68	10.47
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	655.27	647.87	624.31	42.8	42.4	41.9	15.31	15.28	14.90
Communications	649.07	639.00	568.50	43.3	42.6	39.7	14.99	15.00	14.32
Electric, Gas, and Sanitary Services	662.54	657.60	688.20	42.2	42.1	44.4	15.70	15.62	15.50
Wholesale Trade	426.10	419.34	411.84	39.2	38.9	39.0	10.87	10.78	10.56
Wholesale Trade-Durable Goods	425.81	418.76	405.99	39.5	39.1	39.0	10.78	10.71	10.41
Motor Vehicles, Parts, and Supplies	352.24	346.82	350.42	39.4	39.1	37.2	8.94	8.87	9.42
Metals and Minerals, Except Petroleum	479.45	473.30	459.20	41.8	41.7	41.0	11.47	11.35	11.20
Wholesale Trade-Nondurable Goods	427.25	421.13	422.67	38.7	38.6	39.1	11.04	10.91	10.81

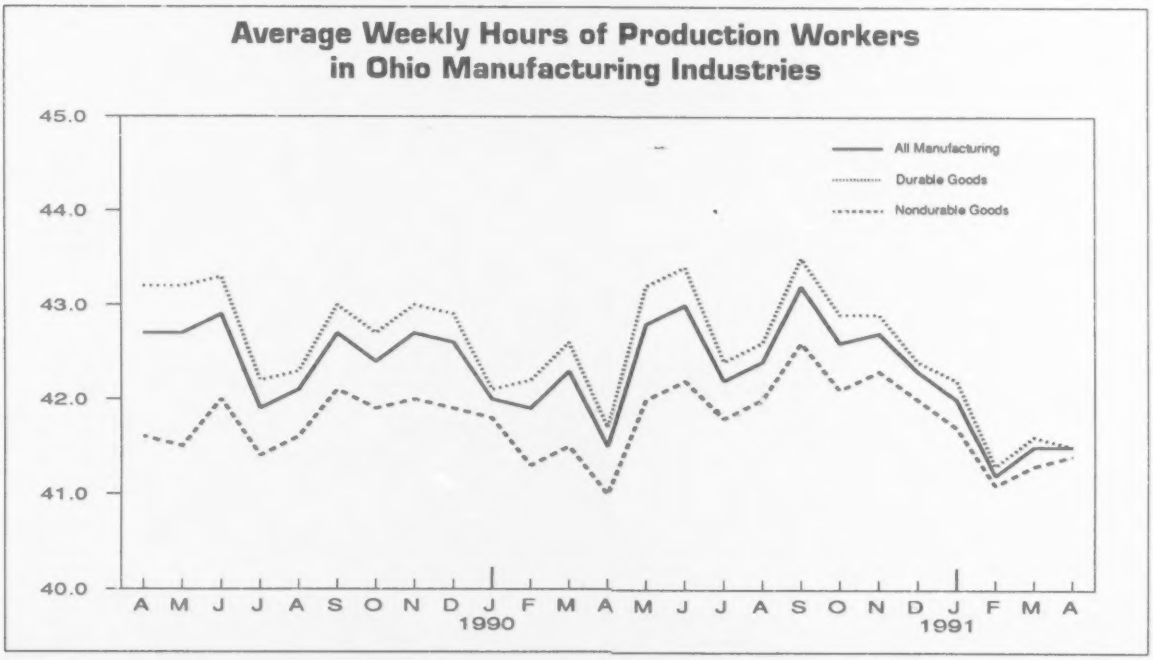
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

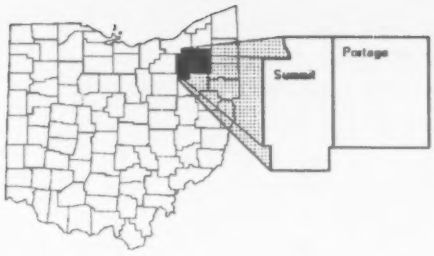
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Retail Trade[i]	$182.48	$178.70	$178.08	27.4	27.2	28.0	$ 6.66	$ 6.57	$ 6.36
General Merchandise Stores	205.62	199.08	189.89	28.4	28.0	28.3	7.24	7.11	6.71
Department Stores	211.07	203.60	192.72	28.6	28.2	28.3	7.38	7.22	6.81
Finance, Insurance, and Real Estate	362.72	362.09	353.02	....	....	....	.....	.....	.....
Finance	337.69	337.44	326.51	....	....	....	.....	.....	.....
Depository Institutions	281.32	282.92	279.42	....	....	....	.....	.....	.....
Commercial Banks	274.60	277.65	276.89	....	....	....	.....	.....	.....
Insurance	431.79	428.77	417.97	....	....	....	.....	.....	.....
Insurance Carriers	419.36	417.47	406.28	....	....	....	.....	.....	.....
Life Insurance	389.62	389.25	381.98	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	457.64	455.40	435.29	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	264.52	264.00	237.96	32.9	33.0	32.2	8.04	8.00	7.39
Health Services	325.16	324.85	311.61	31.6	31.6	31.7	10.29	10.28	9.83
Nursing and Personal Care Facilities	224.96	222.72	209.24	32.0	32.0	31.8	7.03	6.96	6.58
Hospitals	377.82	379.32	366.77	32.1	32.2	32.4	11.77	11.78	11.32
Engineering and Management Services	520.86	515.51	501.88	36.5	36.1	35.9	14.27	14.28	13.98
Engineering and Architectural Services	711.74	714.83	690.90	34.4	34.4	32.9	20.69	20.78	21.00
Research and Testing Services	408.84	403.83	381.22	35.8	35.3	36.1	11.42	11.44	10.56

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.



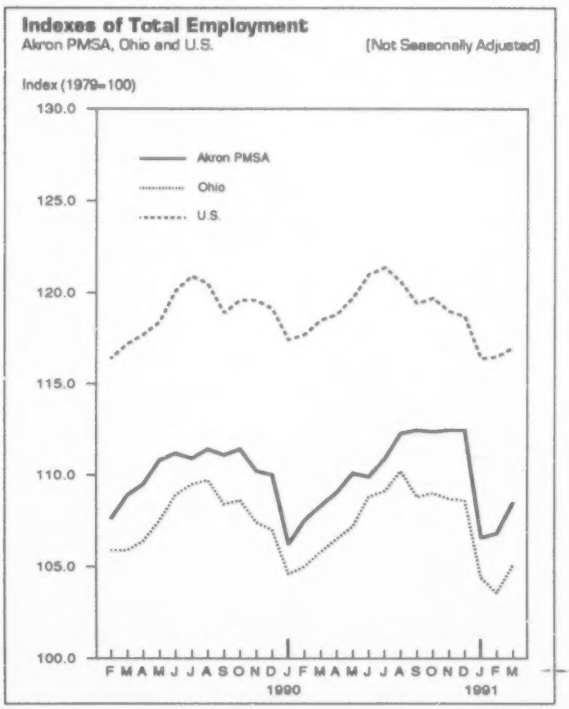
Akron Primary Metropolitan Statistical Area

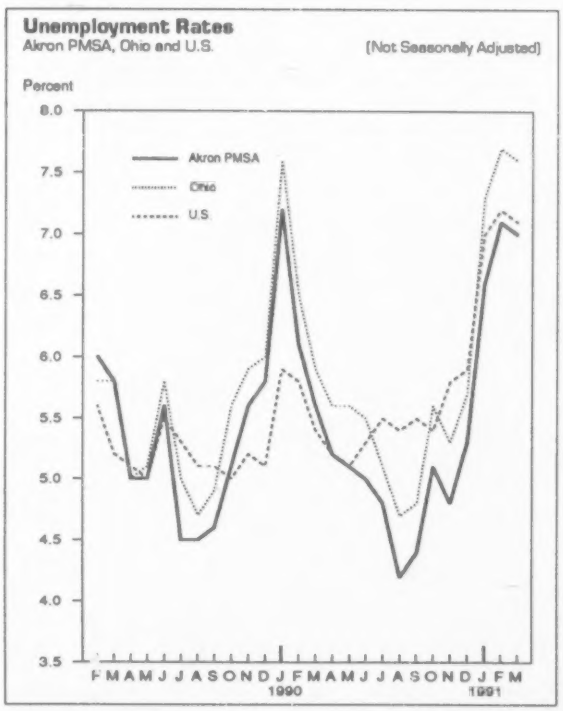


In the Akron metropolitan area, nonfarm wage and salary employment rose 3,000 above the March level to 288,000 in April 1991. The service-producing sector added 2,000 jobs. Seasonal increases in services, particularly in amusements, including motion pictures, and more business in retail trade more than offset partial layoffs of nonteaching personnel in local and state schools and colleges. Employment in goods-producing industries, at 76,800, was 1,000 higher over the month due to gains in construction. The manufacturing workforce declined fractionally as nominal reductions in industrial machinery and equipment and rubber and miscellaneous plastics products outweighed a slight improvement in fabricated metal products. Factory production workers averaged $11.91 per hour, up 11 cents from March. Their average workweek was 0.1 hours longer at 41.6 hours.

Nonagricultural payroll employment advanced 3,500 between April 1990 and April 1991. Expansion in services, especially health services, and modest improvements in local and state government raised employment in service-producing industries 3,800. Employment in retail trade and wholesale trade recorded nominal declines during the period. Decreases in construction lowered employment in goods-producing industries 300. The number of employees in manufacturing was unchanged over the year as scattered increases offset production cutbacks in fabricated metal products and industrial machinery and equipment.

Seasonally adjusted employment in the Akron area totaled 288,000 in April 1991, unchanged from March. More business in services counterbalanced a decline in manufacturing employment. Since April 1990, nonfarm payroll employment advanced 4,000 as expansion in services more than offset fewer jobs in construction.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
331.6	313.7	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
332.3	314.9	17.3	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
328.4	311.2	17.2	5.2	April	284.5	66.3	37.9	479.49	41.3	11.61
330.9	314.1	16.7	5.1	May	289.0	66.9	38.2	516.00	43.0	12.00
329.9	313.6	16.4	5.0	June	285.3	67.1	38.3	524.36	43.3	12.11
332.4	316.5	15.9	4.8	July	284.1	66.8	37.9	509.92	42.6	11.97
334.4	320.5	13.9	4.2	August	285.2	67.0	38.1	529.40	43.5	12.17
335.8	321.1	14.7	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
337.9	320.8	17.1	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
337.5	321.2	16.3	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
339.2	321.1	18.1	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
326.0	304.3	21.6	6.6	January	279.7	67.3	38.6	507.03	42.5	11.93
328.0	304.7	23.3	7.1	February	282.0	65.6	36.8	484.38	41.4	11.70
333.1	309.7	23.4	7.0	March	285.0	66.3	37.6	489.70	41.5	11.80
INA	INA	INA	INA	April	288.0	66.3	37.4	495.46	41.6	11.91

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
284	78	11	66	April	207	14	15	54	11	68	45
286	78	11	67	May	208	14	15	54	11	69	45
285	78	10	67	June	208	14	15	54	11	69	45
286	78	10	67	July	208	14	15	54	11	70	45
287	78	10	67	August	209	14	15	54	11	70	45
287	78	10	67	September	209	14	15	54	11	70	45
287	79	10	68	October	209	14	15	54	11	70	45
288	79	10	68	November	210	14	15	54	11	71	45
289	79	11	68	December	210	14	15	55	11	71	45
				1991							
289	79	10	68	January	209	14	15	54	11	71	45
287	77	10	66	February	210	14	15	54	11	71	45
288	78	10	67	March	210	14	15	54	11	71	45
288	77	10	66	April	210	14	15	54	11	72	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	288.0	285.0	284.5	3.0	3.5
Goods-Producing Industries[e]	76.8	75.8	77.1	1.0	-.3
Construction	10.0	8.9	10.2	1.1	-.3
Manufacturing	66.3	66.3	66.3	-.1	.0
Durable Goods[f]	33.6	33.6	34.3	.0	-.7
Fabricated Metal Products	9.8	9.7	10.6	.1	-.8
Fabricated Structural Metal Products	4.4	4.5	4.5	-.1	-.1
Industrial Machinery and Equipment	9.4	9.6	10.1	-.2	-.7
Metalworking Machinery	4.2	4.3	4.0	-.1	.3
Electronic and Other Electric Equipment	2.4	2.4	2.5	.0	-.1
Transportation Equipment	4.9	4.9	4.9	.0	.0
Nondurable Goods[g]	32.7	32.7	32.0	-.1	.7
Food and Kindred Products	3.4	3.4	3.1	.0	.4
Chemicals and Allied Products	3.6	3.6	3.5	.0	.1
Rubber and Miscellaneous Plastics Products	19.2	19.3	19.2	-.1	.0
Tires and Inner Tubes	10.3	10.3	10.3	.0	.0
Service-Producing Industries	211.2	209.2	207.4	2.0	3.8
Transportation and Public Utilities	13.8	13.7	13.7	.1	.1
Communications, Electric, Gas Services	5.5	5.5	5.5	.0	.0
Wholesale Trade	14.7	14.8	14.9	.0	-.2
Retail Trade	53.3	52.8	53.5	.5	-.3
General Merchandise Stores	5.6	5.6	6.3	.1	-.6
Food Stores	8.8	8.7	8.7	.1	.0
Finance, Insurance, and Real Estate	10.7	10.6	10.8	.1	-.1
Finance	5.3	5.3	5.4	.0	-.1
Services	71.4	69.6	67.8	1.7	3.6
Business Services	12.1	11.8	11.4	.3	.7
Personnel Supply Services	3.3	3.2	3.1	.1	.2
Amusements, Including Motion Pictures	5.5	4.6	5.2	.8	.3
Health Services	23.2	23.1	22.0	.1	1.2
Nursing and Personal Care Facilities	3.9	3.9	3.6	.0	.3
Hospitals	11.6	11.6	11.1	.0	.5
Social Services	5.5	5.5	5.0	.1	.5
Engineering and Management Services	5.3	5.2	4.9	.1	.4
Government	47.3	47.8	46.6	-.5	.7
Federal Government	2.6	2.6	2.6	.0	.0
State Government	17.6	17.9	17.4	-.3	.2
State Government Education[h]	14.9	15.2	14.6	-.3	.3
Local Government	27.1	27.3	26.6	-.2	.4
Local Government Education	14.9	15.3	14.7	-.4	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

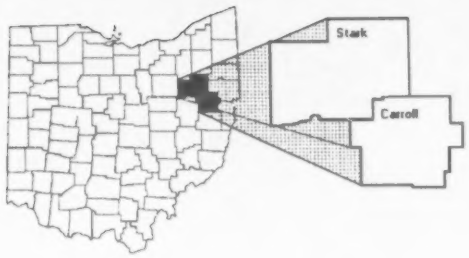
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$495.46	$489.70	$479.49	41.6	41.5	41.3	$11.91	$11.80	$11.61
Durable Goods[f]	504.14	495.52	486.80	42.4	42.1	41.5	11.89	11.77	11.73
Fabricated Metal Products	562.95	557.20	573.65	39.7	39.8	40.8	14.18	14.00	14.06
Fabricated Structural Metal Products	476.14	500.76	488.78	40.8	42.8	42.1	11.67	11.70	11.61
Industrial Machinery and Equipment	516.58	499.05	461.78	46.0	45.0	43.4	11.23	11.09	10.64
Metalworking Machinery	577.15	549.20	489.28	48.5	46.9	44.0	11.90	11.71	11.12
Electronic and Other Electric Equipment	428.22	436.89	414.53	40.9	41.1	40.6	10.47	10.63	10.21
Transportation Equipment	638.41	641.52	583.23	43.4	43.2	40.7	14.71	14.85	14.33
Nondurable Goods[g]	483.57	481.89	468.31	40.5	40.7	40.9	11.94	11.84	11.45
Food and Kindred Products	387.93	386.30	368.45	38.6	38.4	38.5	10.05	10.06	9.57
Chemicals and Allied Products	560.10	548.94	553.96	42.4	42.0	44.0	13.21	13.07	12.59
Rubber and Miscellaneous Plastics Products	477.86	479.23	463.09	40.6	41.1	41.2	11.77	11.66	11.24
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	625.18	620.34	605.46	42.5	42.0	41.3	14.71	14.77	14.66
Wholesale Trade	376.84	369.29	359.66	37.2	36.6	36.7	10.13	10.09	9.80
Retail Trade[i]	218.16	212.23	214.83	30.3	29.6	30.3	7.20	7.17	7.09
General Merchandise Stores	195.14	186.42	198.24	28.2	27.7	29.5	6.92	6.73	6.72
Food Stores	317.16	313.09	310.74	36.0	35.7	35.8	8.81	8.77	8.68
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	289.19	289.52	281.93	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

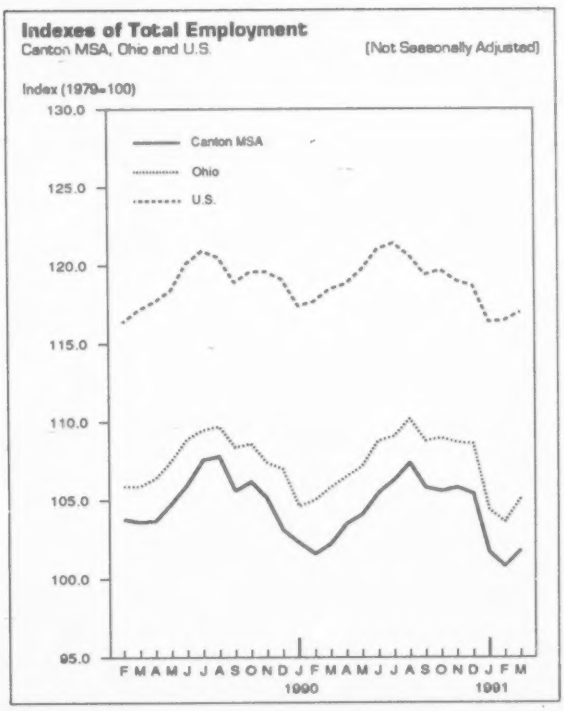
Canton Metropolitan Statistical Area

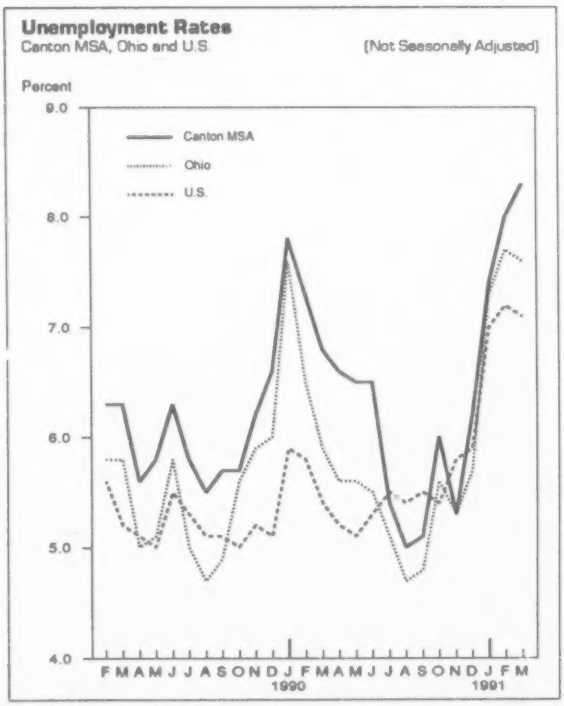


Nonfarm payroll employment in the Canton metropolitan area increased 1,800 above the March level to 165,100 in April 1991. Employment in service-producing industries rose 1,100 primarily due to more business in services. The number of jobs in goods-producing industries totaled 51,300, up 800 over the month. Seasonal growth in construction outweighed a slight decrease in manufacturing. Factory production worker average hourly earnings of $11.27 were fractionally higher than March. Their average workweek of 41.5 hours was 0.3 hours shorter.

Nonagricultural wage and salary employment advanced 800 between April 1990 and April 1991. Expansion in the service-producing sector, primarily services, created 1,800 jobs. Production cutbacks among manufacturers of durable and nondurable goods and modest declines in construction lowered employment in goods-producing industries 900 over the year. Noteworthy reductions occurred in fabricated metal products, rubber and miscellaneous plastics products, and electronic and other electric equipment. A labor-management dispute significantly reduced employment in primary metal industries in April 1990.

Seasonally adjusted employment in the Canton area totaled 166,000 in April 1991, unchanged from March. Scattered gains counterbalanced declines in manufacturing and retail trade. Since April 1990, nonfarm payroll employment advanced 1,000. Growth in services offset over-the-year reductions in retail trade and manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.3	182.5	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.8	181.8	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
192.4	179.8	12.6	6.6	April	164.2	43.8	30.1	474.31	41.9	11.32
193.5	180.9	12.6	6.5	May	167.1	44.7	31.0	479.94	42.1	11.40
196.0	183.3	12.8	6.5	June	168.2	45.1	31.5	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	167.2	45.2	31.5	485.18	42.3	11.47
196.4	186.5	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.6	183.8	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
195.0	183.4	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.3	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
190.8	176.6	14.1	7.4	January	163.8	44.2	30.7	473.05	41.9	11.29
190.3	175.1	15.2	8.0	February	162.7	43.5	30.1	466.46	41.5	11.24
192.9	176.9	16.0	8.3	March	163.2	43.2	29.9	470.25	41.8	11.25
INA	INA	INA	INA	April	165.1	43.1	29.6	467.71	41.5	11.27

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	8	45	1990	113	6	9	33	7	40	19
				1990							
165	53	8	44	April	112	6	9	33	7	39	19
167	53	8	45	May	113	6	9	33	7	40	20
166	53	7	45	June	113	6	9	33	7	40	19
166	53	7	45	July	113	6	9	33	7	40	20
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	113	6	9	32	7	40	19
166	53	7	44	December	114	6	9	32	7	41	19
				1991							
167	53	8	45	January	114	6	9	33	7	40	20
167	52	8	44	February	114	6	9	33	7	41	20
166	52	8	44	March	114	6	9	33	7	41	19
166	52	8	43	April	114	6	9	32	7	41	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	165.1	163.2	164.2	1.8	.8
Goods-Producing Industries[e]	51.3	50.5	52.2	.8	-.9
Construction	7.4	6.5	7.7	.9	-.2
Manufacturing	43.1	43.2	43.8	-.2	-.7
Durable Goods[f]	32.5	32.6	32.6	-.1	-.1
Primary Metal Industries	11.3	11.4	10.3[j]	-.2	.9
Fabricated Metal Products	5.2	5.2	5.7	.0	-.5
Electronic and Other Electric Equipment	3.9	3.9	4.3	.0	-.4
Nondurable Goods[g]	10.6	10.6	11.2	-.1	-.6
Food and Kindred Products	2.9	3.0	3.0	.0	.0
Rubber and Miscellaneous Plastics Products	2.4	2.4	2.9	.0	-.5
Service-Producing Industries	113.8	112.7	112.0	1.1	1.8
Transportation and Public Utilities	5.7	5.5	5.4	.1	.2
Communications, Electric, Gas Services	2.9	2.8	2.7	.1	.1
Wholesale Trade	8.8	8.8	8.7	.0	.1
Retail Trade	31.9	31.7	32.1	.2	-.2
General Merchandise Stores	3.5	3.5	3.9	.1	-.4
Food Stores	5.5	5.5	5.5	.0	.0
Finance, Insurance, and Real Estate	6.8	6.8	6.8	.0	-.2
Finance	3.9	3.8	4.0	.0	-.1
Services	41.3	40.4	39.4	.9	1.9
Health Services	16.4	16.4	15.8	.0	.6
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.6	7.6	7.3	-.1	.3
Government	19.5	19.7	19.6	-.2	-.1
Federal Government	1.5	1.5	1.5	.0	-.1
State Government (Includes Education)	1.7	1.7	1.8	.0	-.1
Local Government	16.3	16.5	16.3	-.2	.0
Local Government Education	9.9	10.1	9.9	-.2	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

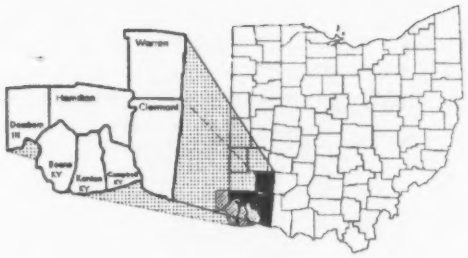
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$467.71	$470.25	$474.31	41.5	41.8	41.9	$11.27	$11.25	$11.32
Durable Goods[f]	480.78	486.49	499.05	42.1	42.6	42.8	11.42	11.42	11.66
Primary Metal Industries	506.91	523.77	555.41	43.4	44.5	45.6	11.68	11.77	12.18
Fabricated Metal Products	450.20	443.37	469.40	39.7	39.8	40.5	11.34	11.14	11.59
Electronic and Other Electric Equipment	581.13	580.17	520.65	40.3	40.6	39.0	14.42	14.29	13.35
Nondurable Goods[g]	426.49	416.42	399.06	39.6	39.1	39.2	10.77	10.65	10.18
Food and Kindred Products	419.25	419.05	419.44	39.0	39.2	39.2	10.75	10.69	10.70
Rubber and Miscellaneous Plastics Products	430.77	423.32	390.02	41.5	40.9	40.5	10.38	10.35	9.63
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	635.88	635.04	568.26	42.0	42.0	39.6	15.14	15.12	14.35
Wholesale Trade	402.43	392.50	381.70	39.3	38.9	38.4	10.24	10.09	9.94
Retail Trade[i]	174.15	173.44	173.85	27.0	27.1	28.5	6.45	6.40	6.10
General Merchandise Stores	197.10	186.45	191.40	27.8	27.1	29.0	7.09	6.88	6.60
Food Stores	171.19	172.30	159.94	27.7	28.2	27.2	6.18	6.11	5.88
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	200.64	197.25	185.38	30.4	30.3	29.9	6.60	6.51	6.20

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

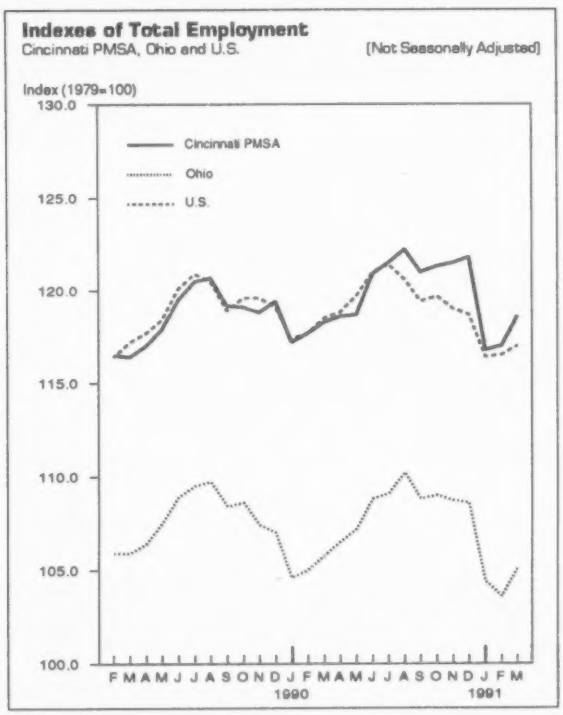
Cincinnati Primary Metropolitan Statistical Area

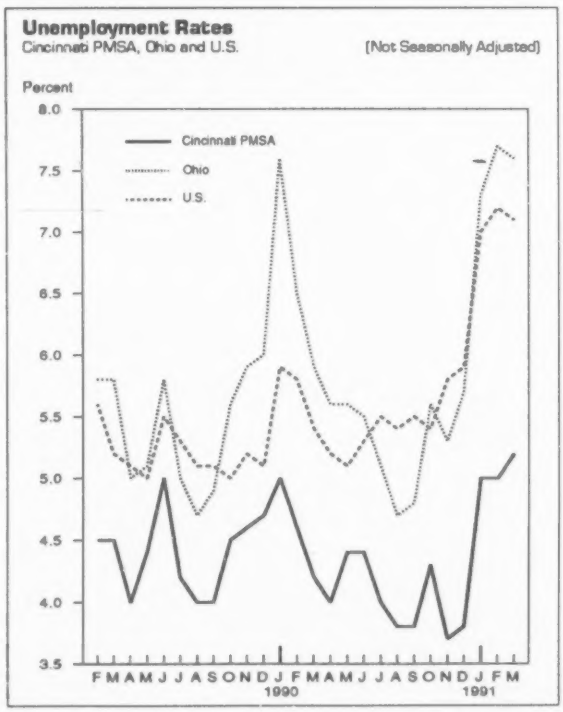


Nonagricultural payroll employment in the Cincinnati metropolitan area rose 6,800 above the March level to 751,200 in April 1991. Seasonal gains in services, particularly in amusements, including motion pictures, and more business in retail trade helped raise employment in service-producing industries 6,100. The number of jobs in goods-producing industries increased 700 over the month to 177,900. Improvements in construction more than offset continued production cutbacks in durable-goods manufacturing, especially transportation equipment. Factory production workers averaged $12.24 per hour, down fractionally from March. Their average workweek of 41.7 hours was 0.3 hours shorter.

Nonfarm wage and salary employment advanced 13,500 between April 1990 and April 1991. Expansion in service-producing industries created 16,100 jobs. The leading growth sector was services with noteworthy gains occurring in business services, health services, and engineering and management services. Moderate increases were posted in local government, transportation and public utilities, and retail trade. Employment in goods-producing industries fell 2,600 during the period. Drastic reductions among manufacturers of durable goods (-4,400), most notably in transportation equipment, were partially offset by improvements in nondurable-goods manufacturing, especially chemicals and allied products.

Seasonally adjusted employment in the Cincinnati area decreased 1,000 from March to 753,000 in April 1991. An improvement in wholesale trade partially offset reductions in government and manufacturing. Since April 1990, nonfarm payroll employment advanced 14,000 primarily due to expansion in services (+10,000). Noteworthy gains occurred in government, transportation and public utilities, and retail trade. Employment in manufacturing declined over the year.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
778.4	743.5	34.8	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
786.9	754.1	32.8	4.2	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
776.7	745.2	31.4	4.0	April	737.7	146.9	92.1	490.73	41.8	11.74
779.9	745.7	34.2	4.4	May	746.6	147.3	92.3	519.60	43.3	12.00
794.3	759.1	35.2	4.4	June	751.5	148.5	93.2	528.00	43.6	12.11
795.1	763.4	31.7	4.0	July	747.0	148.3	93.0	516.86	43.0	12.02
798.0	767.7	30.4	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
790.3	760.0	30.3	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
795.9	761.9	34.0	4.3	October	753.9	149.5	93.7	526.25	43.1	12.21
791.9	762.9	29.0	3.7	November	754.6	149.4	93.2	527.47	43.2	12.21
795.3	765.0	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
772.3	733.9	38.4	5.0	January	737.3	147.3	91.5	521.14	42.3	12.32
773.1	734.6	38.5	5.0	February	737.9	146.6	91.0	515.76	42.0	12.28
785.3	744.7	40.6	5.2	March	744.4	146.0	90.3	516.18	42.0	12.29
INA	INA	INA	INA	April	751.2	144.8	89.3	510.41	41.7	12.24

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
739	182	34	148	April	557	41	49	141	44	190	93
742	183	34	148	May	560	41	48	140	44	191	95
744	182	34	148	June	562	41	49	141	44	193	94
745	182	34	148	July	564	41	49	141	44	193	96
746	182	34	148	August	564	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	195	94
749	182	33	149	October	567	42	49	141	44	198	94
749	182	33	148	November	568	42	49	141	44	197	95
750	181	33	148	December	569	42	49	141	44	198	95
				1991							
752	182	33	148	January	570	42	48	142	44	198	96
753	182	34	148	February	571	42	49	141	44	199	96
754	181	34	147	March	573	42	48	142	44	200	96
753	180	34	146	April	573	42	49	142	44	200	95

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	751.2	744.4	737.7	6.8	13.5
Goods-Producing Industries[e]	177.9	177.2	180.5	.7	-2.6
Construction	32.7	30.9	33.2	1.8	-.5
Manufacturing	144.8	146.0	146.9	-1.2	-2.1
Durable Goods[f]	75.4	76.5	79.8	-1.1	-4.4
Fabricated Metal Products	11.5	11.6	11.9	-.1	-.3
Fabricated Structural Metal Products	4.1	4.1	4.4	.0	-.2
Industrial Machinery and Equipment	18.5	18.6	18.9	-.1	-.3
Electronic and Other Electric Equipment	7.4	7.5	8.0	-.1	-.6
Transportation Equipment	22.8	23.6	24.9	-.8	-2.1
Motor Vehicles and Equipment	3.6	4.4	5.0	-.8	-1.3
Instruments and Related Products	3.7	3.7	3.9	.0	-.3
Nondurable Goods[g]	69.4	69.5	67.1	-.1	2.3
Food and Kindred Products	12.3	12.3	11.8	.0	.4
Beverages	2.8	2.8	2.7	.0	.1
Apparel and Other Textile Products	3.4	3.4	3.3	.0	.1
Paper and Allied Products	6.2	6.1	5.7	.0	.4
Printing and Publishing	15.1	15.2	14.5	-.1	.6
Commercial Printing	6.4	6.5	5.9	-.1	.5
Chemicals and Allied Products	23.8	23.7	22.7	.1	1.2
Rubber and Miscellaneous Plastics Products	6.2	6.3	6.5	-.1	-.4
Service-Producing Industries	573.3	567.1	557.2	6.1	16.1
Transportation and Public Utilities	41.9	41.6	40.6	.3	1.3
Transportation	25.1	24.9	24.1	.2	1.0
Trucking and Warehousing	10.6	10.4	10.4	.1	.1
Transportation by Air	7.8	7.7	7.0	.1	.8
Communications, Electric, Gas Services	16.7	16.7	16.5	.1	.2
Communications	9.9	9.9	10.0	.0	-.1
Wholesale Trade	48.7	48.5	48.5	.2	.3
Wholesale Trade-Durable Goods	27.9	27.8	28.0	.0	-.1
Retail Trade	140.4	138.5	139.2	1.9	1.2
General Merchandise Stores	20.7	20.9	20.9	-.2	-.2
Finance, Insurance, and Real Estate	44.2	44.0	43.4	.2	.8
Finance	17.8	17.8	17.7	-.1	.1
Depository Institutions	13.3	13.3	13.2	.0	.0
Commercial Banks	9.5	9.6	9.3	.0	.2
Insurance	17.3	17.3	17.1	.0	.2
Insurance Carriers	14.6	14.6	14.4	.0	.2
Life Insurance	6.9	6.9	6.7	.0	.1
Fire, Marine, and Casualty Insurance	5.5	5.5	5.3	.0	.2
Services	200.2	196.2	190.0	4.0	10.3
Hotels and Other Lodging Places	7.7	7.5	7.2	.2	.5
Personal Services	9.2	9.2	9.0	.0	.2
Business Services	40.1	39.5	37.3	.6	2.7
Services to Buildings	6.1	6.2	6.2	-.1	-.1
Computer and Data Processing Services	5.4	5.4	5.0	.0	.5
Amusements, Including Motion Pictures	12.2	10.1	11.7	2.1	.5
Health Services	60.5	60.4	57.7	.0	2.7
Nursing and Personal Care Facilities	11.8	11.7	11.1	.1	.6
Hospitals	28.3	28.6	27.5	-.2	.8
Legal Services	4.4	4.4	4.2	.0	.2
Educational Services	7.9	7.9	7.5	-.1	.3
Social Services	13.5	13.5	12.8	.0	.7
Residential Care	4.9	4.8	4.6	.1	.2
Engineering and Management Services	19.0	18.7	17.6	.3	1.4
Engineering and Architectural Services	6.4	6.3	6.0	.1	.4
Government	97.8	98.4	95.6	-.6	2.3
Federal Government	17.2	17.1	17.7	.0	-.5
State Government	22.1	22.3	21.7	-.1	.4
State Government Education[h]	14.1	14.2	13.6	-.1	.5
Local Government	58.5	59.0	56.1	-.5	2.4
Local Government Education	34.1	34.8	32.3	-.7	1.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

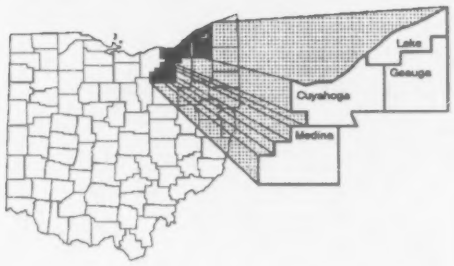
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$510.41	$516.18	$490.73	41.7	42.0	41.8	$12.24	$12.29	$11.74
Durable Goods[f]	497.95	501.65	483.42	41.6	41.7	42.0	11.97	12.03	11.51
Fabricated Metal Products	434.10	422.50	412.72	41.7	41.3	42.2	10.41	10.23	9.78
Fabricated Structural Metal Products	471.08	468.27	454.37	43.1	43.0	43.9	10.93	10.89	10.35
Industrial Machinery and Equipment	479.10	489.05	444.70	42.1	42.6	41.1	11.38	11.48	10.82
Electronic and Other Electric Equipment	394.23	411.60	375.05	40.6	42.0	40.9	9.71	9.80	9.17
Transportation Equipment	702.99	707.16	726.64	42.4	42.6	43.8	16.58	16.60	16.59
Motor Vehicles and Equipment	676.48	671.06	826.52	38.7	38.7	46.2	17.48	17.34	17.69
Instruments and Related Products	445.28	432.15	371.78	44.0	43.0	42.2	10.12	10.05	8.81
Nondurable Goods[g]	522.91	528.77	497.17	41.9	42.2	41.5	12.48	12.53	11.98
Food and Kindred Products	486.86	493.24	486.36	41.4	41.8	42.0	11.76	11.80	11.56
Beverages	571.64	578.93	588.82	40.2	40.4	43.2	14.22	14.33	13.63
Apparel and Other Textile Products	275.92	267.72	268.80	39.7	38.8	38.9	6.95	6.90	6.91
Paper and Allied Products	470.67	468.58	429.86	41.8	41.8	40.4	11.26	11.21	10.64
Printing and Publishing	505.49	524.59	492.38	40.7	41.8	41.1	12.42	12.55	11.98
Commercial Printing	535.68	574.20	510.51	43.2	45.0	42.9	12.40	12.76	11.90
Chemicals and Allied Products	652.10	663.77	618.62	43.3	43.9	42.9	15.06	15.12	14.42
Rubber and Miscellaneous Plastics Products	418.90	392.75	397.23	42.1	40.2	40.7	9.95	9.77	9.76
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	615.86	608.93	587.45	40.2	40.3	39.8	15.32	15.11	14.76
Communications	605.64	595.56	586.61	39.2	38.9	38.9	15.45	15.31	15.08
Wholesale Trade	459.36	449.59	439.31	39.6	39.3	39.4	11.60	11.44	11.15
Retail Trade[i]	182.44	178.48	174.22	27.6	27.5	28.1	6.61	6.49	6.20
General Merchandise Stores	235.98	227.37	217.92	30.1	29.8	30.1	7.84	7.63	7.24
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	292.31	294.00	301.48	....	....	....	.....	.....	.....
Commercial Banks	263.97	268.37	273.42	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	424.27	426.51	414.19	....	....	....	.....	.....	.....
Life Insurance	420.02	422.15	423.32	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	455.36	458.66	425.47	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	447.11	443.82	431.31	32.9	32.9	32.7	13.59	13.49	13.19
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	652.37	682.69	660.74	39.9	41.3	41.4	16.35	16.53	15.96

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Cleveland Primary Metropolitan Statistical Area

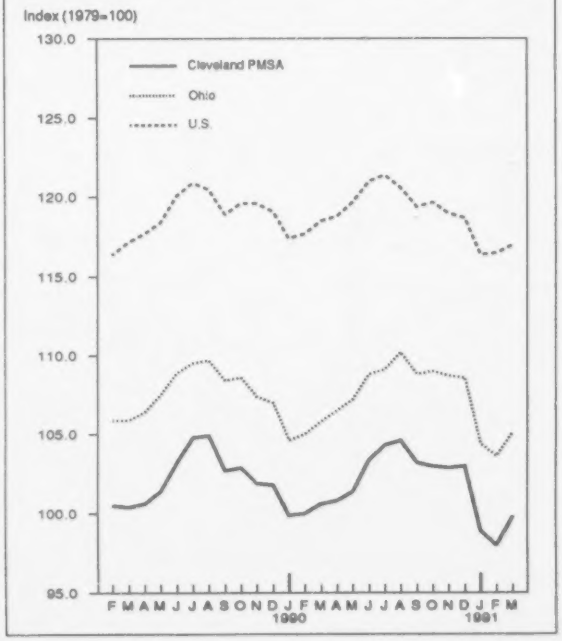


Nonfarm payroll employment in the Cleveland metropolitan area rose 8,000 above the March level to 944,600 in April 1991. Seasonal gains in services, retail trade, and transportation and public utilities raised employment in service-producing industries 4,700. The number of jobs in goods-producing industries increased 3,300 to 236,400 primarily due to more business in construction, especially special trade contractors. Manufacturing employment posted a modest gain over the month as the settlement of a labor-management dispute in transportation equipment more than offset nominal declines in nondurable goods. Factory production workers averaged $12.36 per hour, up 13 cents from March. Their average workweek of 41.4 hours was 0.1 hours longer.

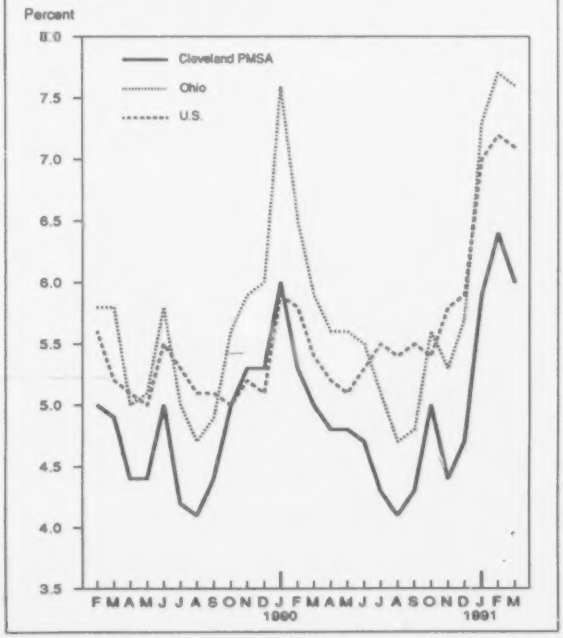
Nonagricultural wage and salary employment advanced 3,700 between April 1990 and April 1991. Expansion in service-producing industries created 7,400 jobs. Leading growth sectors were services, particularly health services and social services, and retail trade. Over-the-year production cutbacks in manufacturing lowered employment in goods-producing industries 3,800. Noteworthy reductions occurred in industrial machinery and equipment, primary metal industries, transportation equipment, and rubber and miscellaneous plastics products. Employment in construction posted a modest gain during the period.

Seasonally adjusted employment in the Cleveland area totaled 952,000 in April 1991, unchanged from March. Since April 1990, nonfarm payroll employment advanced 4,000. Expansion in services and retail trade more than offset a significant reduction in manufacturing.

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	886.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	56.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
953.5	907.5	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
954.8	909.1	45.7	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
941.1	896.2	44.9	4.8	April	910.9	206.8	132.2	498.78	41.6	11.99
947.2	901.7	45.6	4.8	May	953.2	207.6	132.3	531.72	43.3	12.28
965.0	919.7	45.3	4.7	June	955.2	208.9	133.3	534.25	43.4	12.31
969.0	926.9	42.1	4.3	July	962.7	207.8	132.2	514.74	42.4	12.14
969.6	930.3	39.4	4.1	August	956.3	206.1	131.1	519.38	42.7	12.14
958.0	917.2	40.8	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
964.4	915.9	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
956.7	914.6	42.2	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
960.9	915.4	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
935.0	879.5	55.5	5.9	January	932.4	204.1	128.3	510.38	41.8	12.21
931.5	871.5	60.0	6.4	February	928.4	199.2	123.7	496.43	41.3	12.02
944.3	887.2	57.1	6.0	March	936.6	201.7	126.2	505.10	41.3	12.23
INA	INA	INA	INA	April	944.6	202.6	127.0	511.70	41.4	12.36

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	[illegible]	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	676	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
948	243	35	208	April	705	43	65	162	58	257	120
952	242	34	207	May	709	43	65	162	58	259	122
953	243	35	207	June	710	43	65	163	58	260	121
951	243	35	207	July	708	43	65	163	58	261	118
948	242	35	206	August	707	43	65	164	58	262	115
953	242	34	206	September	711	43	65	164	58	261	120
953	242	34	207	October	711	43	65	164	58	261	120
949	240	34	204	November	710	43	65	164	58	261	119
949	239	35	203	December	710	43	65	163	58	261	119
				1991							
952	241	34	206	January	711	43	65	164	58	262	120
947	236	35	201	February	711	43	65	163	59	262	120
952	239	35	203	March	713	43	65	164	58	263	120
952	239	35	203	April	713	43	65	164	58	263	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	944.6	936.6	940.9	8.0	3.7
Goods-Producing Industries[e]	236.4	233.1	240.1	3.3	-3.8
Construction	33.0	30.6	32.6	2.3	.4
Special Trade Contractors	22.8	21.3	22.6	1.5	.2
Manufacturing	202.6	201.7	206.8	.9	-4.1
Durable Goods[f]	137.3	136.0	141.6	1.3	-4.3
Stone, Clay, and Glass Products	3.6	3.5	3.6	.1	.0
Primary Metal Industries	19.2	19.3	20.4	-.1	-1.2
Iron and Steel Foundries	4.2	4.3	4.4	.0	-.2
Fabricated Metal Products	34.2	34.1	34.3	.1	-.1
Screw Machine Products, Bolts, etc.	5.2	5.2	5.1	.0	.0
Metal Forgings and Stampings	11.1	10.9	11.0	.2	.1
Industrial Machinery and Equipment	31.8	31.8	33.6	.1	-1.8
Metalworking Machinery	12.3	12.4	13.0	.0	-.7
Electronic and Other Electric Equipment	15.1	15.2	15.6	.0	-.4
Electrical Industrial Apparatus	3.9	3.9	4.2	.0	-.3
Electric Lighting and Wiring Equipment	5.1	5.1	5.2	.0	-.1
Transportation Equipment	18.9	17.6	19.6	1.3	-.7
Motor Vehicles and Equipment	11.3	10.9	12.0	.4	-.7
Instruments and Related Products	7.2	7.2	7.3	-.1	-.2
Measuring and Controlling Devices	5.1	5.1	4.9	.0	.2
Nondurable Goods[g]	65.3	65.7	65.1	-.4	.2
Food and Kindred Products	6.4	6.5	6.4	-.1	.0
Apparel and Other Textile Products	3.2	3.2	3.2	.0	.0
Paper and Allied Products	5.9	5.9	5.9	.0	.0
Printing and Publishing	17.6	17.6	17.1	-.1	.5
Chemicals and Allied Products	14.8	14.8	14.6	.0	.2
Rubber and Miscellaneous Plastics Products	11.0	11.3	11.7	-.2	-.7
Miscellaneous Plastics Products	7.4	7.5	7.2	-.1	.2
Service-Producing Industries	708.2	703.5	700.8	4.7	7.4
Transportation and Public Utilities	42.5	41.7	42.6	.8	-.2
Transportation	25.4	24.6	24.9	.8	.5
Trucking and Warehousing	11.3	11.2	11.2	.1	.1
Transportation by Air	5.5	5.5	5.2	.0	.3
Communications, Electric, Gas Services	17.1	17.1	17.8	.0	-.7
Communications	10.1	10.1	10.4	.0	-.3
Electric, Gas, and Sanitary Services	7.0	7.0	7.4	.0	-.4
Wholesale Trade	64.6	64.3	64.8	.3	-.2
Wholesale Trade-Durable Goods	44.3	44.2	44.4	.1	-.1
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.1	-.1	-.1
Professional and Commercial Equipment	8.8	8.9	9.2	-.1	-.4
Retail Trade	160.8	159.4	159.0	1.4	1.8
General Merchandise Stores	19.2	19.1	19.9	.1	-.7
Finance, Insurance, and Real Estate	57.8	58.0	57.4	-.2	.4
Finance	27.4	27.6	27.7	-.2	-.3
Depository Institutions	20.1	20.2	20.3	-.1	-.2
Commercial Banks	12.8	12.8	12.9	-.1	-.1
Insurance	19.1	19.2	18.8	-.1	.2
Insurance Carriers	14.4	14.5	14.1	-.1	.3
Fire, Marine, and Casualty Insurance	6.4	6.3	6.3	.1	.0
Services	262.1	259.2	256.4	2.9	5.7
Business Services	51.8	51.5	51.2	.3	.6
Personnel Supply Services	18.3	18.7	18.8	-.4	-.5
Computer and Data Processing Services	6.9	6.7	6.5	.3	.4
Amusements, Including Motion Pictures	11.3	10.3	11.5	1.0	-.1
Health Services	81.3	80.8	79.6	.4	1.7
Nursing and Personal Care Facilities	14.6	14.5	14.2	.1	.4
Hospitals	43.3	43.2	43.0	.1	.2
Legal Services	9.9	9.8	9.7	.1	.3
Educational Services	17.6	18.9	17.6	-1.3	.0
Social Services	15.9	15.5	14.9	.4	1.0
Residential Care	4.4	4.3	4.1	.1	.3
Engineering and Management Services	22.9	22.8	22.1	.1	.8
Engineering and Architectural Services	8.6	8.5	8.1	.1	.5
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.4	.0	.0
Management and Public Relations	5.2	5.2	4.9	.0	.3
Government	120.4	120.9	120.6	-.5	-.2
Federal Government	19.7	19.7	20.7	.0	-1.0
State Government	8.8	8.7	8.5	.1	.4
State Government Education[h]	3.6	3.7	3.4	-.1	.2
Local Government	91.9	92.5	91.4	-.6	.4
Local Government Education	46.3	46.9	46.8	-.6	-.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

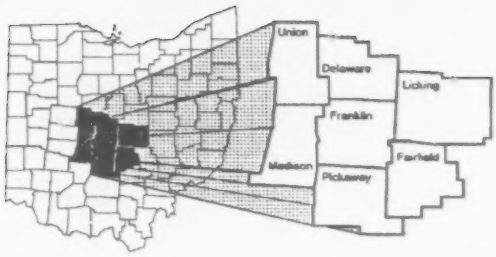
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$511.70	$505.10	$498.78	41.4	41.3	41.6	$12.36	$12.23	$11.99
Durable Goods[f]	536.26	528.74	531.29	41.7	41.6	42.3	12.86	12.71	12.56
Stone, Clay, and Glass Products	528.94	512.56	494.27	44.3	43.0	41.5	11.94	11.92	11.91
Primary Metal Industries	521.66	521.66	532.82	41.9	41.9	42.9	12.45	12.45	12.42
Iron and Steel Foundries	753.77	737.08	904.80	41.1	40.7	48.0	18.34	18.11	18.85
Fabricated Metal Products	553.66	535.39	521.25	42.2	41.6	41.6	13.12	12.87	12.53
Screw Machine Products, Bolts, etc.	545.23	459.80	489.76	44.4	39.4	41.4	12.28	11.67	11.83
Metal Forgings and Stampings	669.71	654.69	664.66	42.2	41.7	43.3	15.87	15.70	15.35
Industrial Machinery and Equipment	520.15	515.64	534.26	42.6	42.3	43.9	12.21	12.19	12.17
Metalworking Machinery	482.21	472.75	558.10	40.9	40.2	46.2	11.79	11.76	12.08
Electronic and Other Electric Equipment	422.68	423.86	416.64	39.8	40.1	40.1	10.62	10.57	10.39
Electrical Industrial Apparatus	432.41	436.77	409.82	41.3	42.2	40.1	10.47	10.35	10.22
Electric Lighting and Wiring Equipment	404.43	405.52	367.78	36.6	37.0	37.0	11.05	10.96	9.94
Transportation Equipment	703.97	699.72	695.84	41.0	40.8	42.3	17.17	17.15	16.45
Motor Vehicles and Equipment	752.09	753.75	766.55	40.5	40.2	42.8	18.57	18.75	17.91
Instruments and Related Products	441.86	462.18	429.60	40.8	41.6	40.0	10.83	11.11	10.74
Measuring and Controlling Devices	449.22	447.86	441.86	41.1	40.9	40.5	10.93	10.95	10.91
Nondurable Goods[g]	449.15	448.63	420.40	40.5	40.6	40.0	11.09	11.05	10.51
Food and Kindred Products	449.28	481.44	428.06	39.0	40.8	39.2	11.52	11.80	10.92
Apparel and Other Textile Products	404.59	378.86	367.84	39.9	38.0	38.0	10.14	9.97	9.68
Paper and Allied Products	466.38	493.61	469.54	41.2	42.7	41.7	11.32	11.56	11.26
Printing and Publishing	396.38	385.10	383.03	37.5	37.1	37.7	10.57	10.38	10.16
Chemicals and Allied Products	570.47	576.79	533.39	42.7	43.4	41.9	13.36	13.29	12.73
Rubber and Miscellaneous Plastics Products	372.91	378.43	350.07	40.8	41.0	40.1	9.14	9.23	8.73
Miscellaneous Plastics Products	381.82	389.34	356.81	41.1	41.2	40.5	9.29	9.45	8.81
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	494.26	487.54	490.64	33.9	33.6	35.4	14.58	14.51	13.86
Communications, Electric, Gas Services	702.60	693.39	623.78	44.3	43.5	40.4	15.86	15.94	15.44
Wholesale Trade	479.02	464.79	455.90	39.2	38.7	39.2	12.22	12.01	11.63
Retail Trade[i]	195.21	194.85	189.61	27.0	27.1	27.4	7.23	7.19	6.92
General Merchandise Stores	199.09	195.44	186.87	28.2	28.0	27.4	7.06	6.98	6.82
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	333.83	334.68	322.76	....	....	....	.....	.....	.....
Depository Institutions	301.65	306.33	297.34	....	....	....	.....	.....	.....
Commercial Banks	288.05	297.83	291.45	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	342.55	344.10	333.78	31.0	31.0	31.4	11.05	11.10	10.63
Nursing and Personal Care Facilities	258.91	256.88	245.28	33.8	33.8	33.6	7.66	7.60	7.30
Hospitals	380.61	382.43	363.87	30.4	30.4	30.5	12.52	12.58	11.93

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

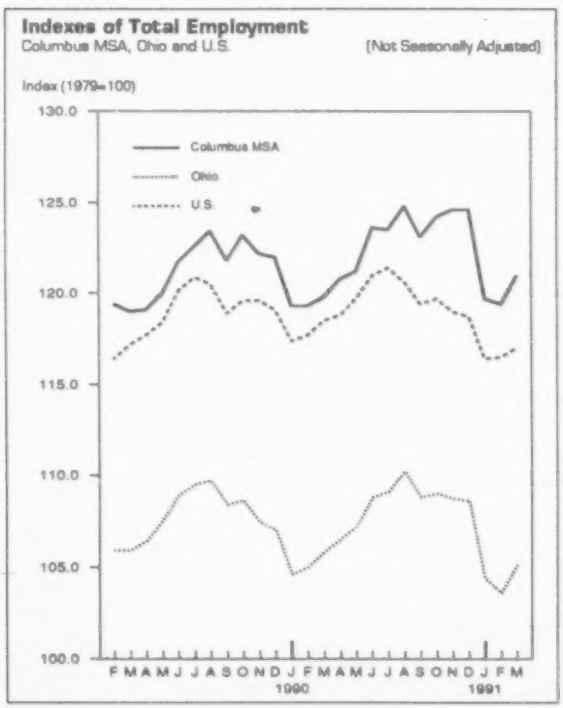
Columbus Metropolitan Statistical Area

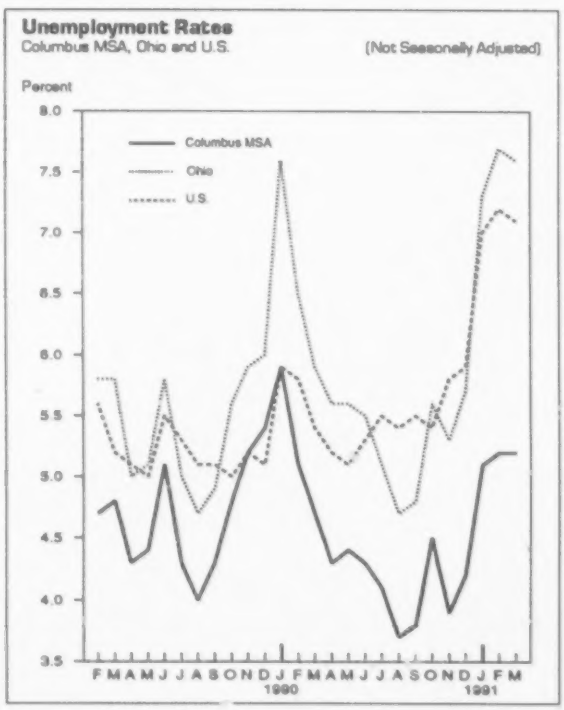


In the Columbus metropolitan area, nonfarm payroll employment rose 5,600 above the March level to 728,200 in April 1991. Employment in service-producing industries increased 3,800 primarily due to more business in services. Seasonal gains in construction raised employment in goods-producing industries 1,800 over the month to 132,800. The number of manufacturing jobs was down fractionally as nominal declines in instruments and related products, industrial machinery and equipment, and chemicals and allied products outweighed gains in electronic and other electric equipment and food and kindred products. Factory production workers averaged $12.93 per hour, up 8 cents from March. Their average workweek of 42.2 hours was 0.4 hours longer.

Nonagricultural wage and salary employment advanced 11,800 between April 1990 and April 1991. The number of jobs in the service-producing sector increased 12,500. The leading growth industry was services, most notably business services (+3,500) and health services (+2,500). Noteworthy expansion occurred in retail trade and state and local schools and colleges. Employment in goods-producing industries declined 700 from the year-ago level as production cutbacks in manufacturing negated nominal gains in construction. Reductions in stone, clay, and glass products, fabricated metal products, and instruments and related products more than offset improvements in food and kindred products, transportation equipment, and electronic and other electric equipment.

Seasonally adjusted employment in the Columbus area totaled 731,000 in April 1991, unchanged from March. Nominal growth in services counterbalanced a decline in retail trade. Since April 1990, nonfarm payroll employment advanced 12,000. Primary areas of expansion were services and retail trade.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
733.7	698.9	34.8	4.7	1989	704.7	104.9	69.5	500.82	41.7	12.01
739.5	706.9	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
728.8	697.6	31.2	4.3	April	716.5	104.5	70.0	501.43	40.9	12.26
732.7	700.1	32.6	4.4	May	723.3	104.3	69.7	514.58	41.7	12.34
745.8	713.6	32.2	4.3	June	731.9	105.3	70.3	520.80	42.0	12.40
744.1	713.2	30.9	4.1	July	722.0	103.8	68.7	524.15	42.1	12.45
748.3	720.9	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
739.5	711.1	28.4	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
750.9	717.2	33.7	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
748.9	719.6	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
751.7	719.8	31.9	4.2	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
728.4	691.4	37.0	5.1	January	717.4	104.3	69.3	529.59	41.7	12.70
727.5	689.6	38.0	5.2	February	717.7	103.6	68.9	524.10	41.3	12.69
736.9	698.5	38.4	5.2	March	722.6	103.6	69.0	537.13	41.8	12.85
INA	INA	INA	INA	April	728.2	103.5	69.0	545.65	42.2	12.93

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
719	135	30	105	April	583	31	36	146	61	180	129
721	135	29	105	May	586	31	36	146	61	181	130
725	136	30	105	June	589	31	36	148	61	183	130
725	134	29	104	July	592	31	36	148	61	184	131
726	135	29	105	August	591	31	36	149	61	185	130
726	135	29	105	September	591	31	36	149	61	185	130
727	135	29	105	October	592	31	36	149	61	186	130
727	134	29	104	November	593	31	36	149	61	186	130
728	134	29	104	December	593	31	36	149	61	187	130
				1991							
729	135	29	105	January	594	31	36	149	61	187	130
729	134	29	105	February	595	31	36	148	61	188	131
731	135	30	104	March	596	31	36	149	61	189	130
731	135	30	104	April	596	31	36	148	61	190	130

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	728.2	722.6	716.5	5.6	11.8
Goods-Producing Industries[e]	132.8	131.0	133.5	1.8	-.7
Construction	28.4	26.5	28.2	1.9	.2
Manufacturing	103.5	103.6	104.5	-.1	-1.0
Durable Goods[f]	65.1	65.3	66.4	-.2	-1.3
Stone, Clay, and Glass Products	9.0	8.9	9.8	.0	-.9
Glass and Glassware, Pressed or Blown	3.5	3.6	3.6	.0	-.1
Fabricated Metal Products	9.2	9.2	9.8	.0	-.6
Industrial Machinery and Equipment	9.8	9.9	9.9	-.1	-.1
Electronic and Other Electric Equipment	9.8	9.7	9.5	.1	.4
Transportation Equipment	15.6	15.7	15.2	.0	.5
Motor Vehicles and Equipment	13.9	14.0	13.6	.0	.3
Instruments and Related Products	4.0	4.2	4.5	-.2	-.5
Nondurable Goods[g]	38.4	38.4	38.0	.1	.4
Food and Kindred Products	10.9	10.8	10.3	.1	.6
Dairy Products	4.1	4.1	3.7	.1	.4
Printing and Publishing	10.8	10.8	10.6	.0	.2
Chemicals and Allied Products	6.6	6.7	6.9	-.1	-.3
Rubber and Miscellaneous Plastics Products	6.0	6.0	6.0	.0	.0
Service-Producing Industries	595.4	591.6	583.0	3.8	12.5
Transportation and Public Utilities	30.5	30.3	30.7	.2	-.1
Transportation	17.8	17.6	17.9	.2	-.1
Trucking and Warehousing	12.7	12.5	12.6	.2	.1
Communications, Electric, Gas Services	12.8	12.8	12.8	.0	.0
Communications	8.0	8.0	8.0	.1	.0
Electric, Gas, and Sanitary Services	4.8	4.8	4.8	.0	.0
Wholesale Trade	35.7	35.7	36.0	.2	-.1
Wholesale Trade-Durable Goods	22.5	22.5	22.8	.1	-.3
Motor Vehicles, Parts, and Supplies	3.0	3.0	3.0	.0	.0
Machinery, Equipment, and Supplies	4.9	4.8	5.3	.1	-.4
Wholesale Trade-Nondurable Goods	13.4	13.3	13.2	.1	.2
Retail Trade	145.8	145.0	144.3	.8	1.5
General Merchandise Stores	20.5	20.4	20.5	.1	.0
Food Stores	16.1	16.3	16.4	-.1	-.3
Automotive Dealers and Service Stations	14.1	13.9	14.0	.1	.0
Finance, Insurance, and Real Estate	60.8	60.8	60.3	.0	.5
Finance	24.1	24.3	24.2	-.2	-.2
Depository Institutions	13.4	13.5	13.8	-.2	-.4
Commercial Banks	11.3	11.4	11.3	-.1	-.1
Insurance	27.0	27.0	26.8	.0	.3
Insurance Carriers	23.0	22.9	22.8	.1	.2
Services	189.8	186.8	180.3	3.0	9.5
Business Services	44.0	43.3	40.5	.7	3.5
Personnel Supply Services	18.0	17.5	15.5	.5	2.5
Health Services	47.9	47.9	45.4	.0	2.5
Nursing and Personal Care Facilities	8.6	8.6	8.1	.0	.4
Hospitals	22.3	22.3	21.1	.0	1.1
Legal Services	4.6	4.6	4.5	.0	.1
Educational Services	8.3	8.3	8.1	.0	.1
Social Services	13.8	13.8	13.0	-.1	.8
Engineering and Management Services	18.8	18.7	18.0	.0	.7
Engineering and Architectural Services	5.3	5.2	4.8	.1	.5
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	.0	.1
Research and Testing Services	5.7	5.8	5.7	.0	.0
Government	132.6	133.0	131.4	-.4	1.2
Federal Government	16.1	16.1	17.3	.0	-1.2
State Government	58.1	58.3	56.9	-.2	1.2
State Government Education[h]	25.0	25.2	23.9	-.2	1.2
Local Government	58.4	58.6	57.1	-.2	1.2
Local Government Education	35.8	36.1	34.9	-.3	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

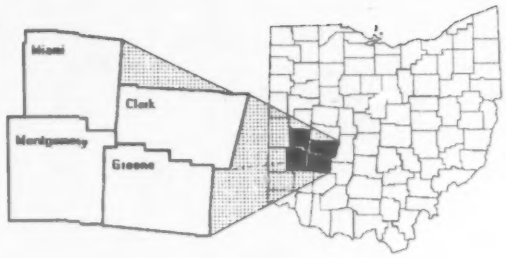
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$545.65	$537.13	$501.43	42.2	41.8	40.9	$12.93	$12.85	$12.26
Durable Goods[f]	567.14	555.40	517.06	42.9	42.3	41.2	13.22	13.13	12.55
Stone, Clay, and Glass Products	553.38	556.41	511.20	44.2	44.3	42.6	12.52	12.56	12.00
Glass and Glassware, Pressed or Blown	476.93	490.79	469.53	41.4	42.2	42.3	11.52	11.63	11.10
Fabricated Metal Products	550.62	540.90	525.75	41.4	40.7	41.3	13.30	13.29	12.73
Industrial Machinery and Equipment	531.70	512.12	469.13	42.4	41.4	40.2	12.54	12.37	11.67
Electronic and Other Electric Equipment	573.34	572.03	478.00	43.7	43.5	39.9	13.12	13.15	11.98
Transportation Equipment	673.73	643.71	627.97	44.5	43.0	43.1	15.14	14.97	14.57
Motor Vehicles and Equipment	687.68	653.83	630.98	44.8	43.1	43.1	15.35	15.17	14.64
Instruments and Related Products	417.65	410.65	394.11	38.6	38.2	38.3	10.82	10.75	10.29
Nondurable Goods[g]	504.71	501.84	472.64	40.9	40.8	40.5	12.34	12.30	11.67
Food and Kindred Products	452.61	445.46	405.34	41.6	41.4	39.7	10.88	10.76	10.21
Dairy Products	647.48	645.70	579.15	44.5	44.5	42.9	14.55	14.51	13.50
Printing and Publishing	586.80	584.00	539.97	40.0	40.0	39.1	14.67	14.60	13.81
Chemicals and Allied Products	671.23	660.83	649.09	43.0	42.8	43.1	15.61	15.44	15.06
Rubber and Miscellaneous Plastics Products	392.69	389.77	374.85	40.4	40.1	40.7	9.72	9.72	9.21
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	443.23	452.22	455.68	34.2	34.6	34.6	12.96	13.07	13.17
Communications, Electric, Gas Services	699.10	691.68	664.78	44.5	44.0	43.0	15.71	15.72	15.46
Communications	702.66	694.18	587.85	45.1	44.3	39.4	15.58	15.67	14.92
Electric, Gas, and Sanitary Services	694.98	685.72	797.04	43.6	43.4	49.2	15.94	15.80	16.20
Wholesale Trade	411.95	410.70	398.70	38.9	38.6	38.3	10.59	10.64	10.41
Retail Trade[i]	187.76	183.54	183.54	26.9	26.6	27.6	6.98	6.90	6.65
General Merchandise Stores	229.94	221.31	206.07	28.6	28.3	28.7	8.04	7.82	7.18
Food Stores	197.37	186.91	200.79	26.6	26.4	28.4	7.42	7.08	7.07
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	494.21	493.63	453.45	....	....	....	.....	.....	.....
Depository Institutions	302.63	306.11	293.97	....	....	....	.....	.....	.....
Commercial Banks	303.66	308.12	290.78	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	248.68	246.91	230.95	31.8	31.9	32.3	7.82	7.74	7.15
Hospitals	394.08	388.60	409.86	33.2	33.5	34.5	11.87	11.60	11.88
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	526.68	521.99	501.56	39.1	39.1	39.4	13.47	13.35	12.73

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Dayton-Springfield Metropolitan Statistical Area

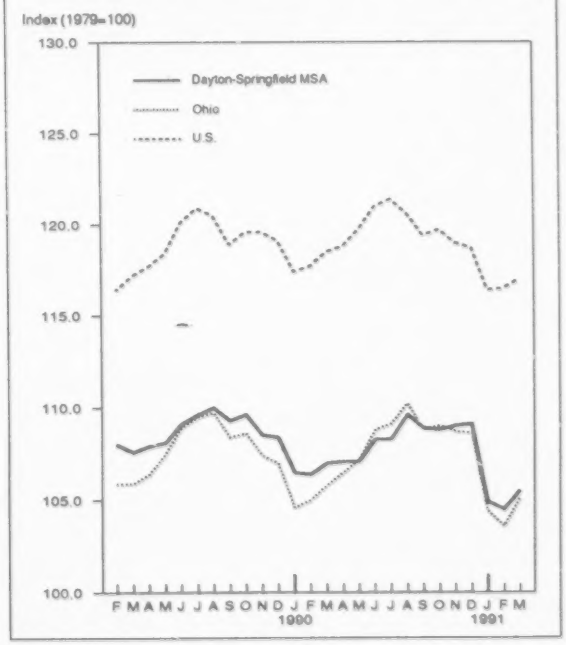


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area rose 3,800 above the March level to 449,800 in April 1991. Employment in service-producing industries increased 2,000. More business in retail trade and services more than offset seasonal layoffs of nonteaching personnel in local schools. Gains in construction and improvements in manufacturing raised employment in goods-producing industries 1,700 to 113,000. The recall of workers in transportation equipment outweighed temporary cutbacks in industrial machinery and equipment. Factory production workers averaged $13.66 per hour, up 20 cents from March. Their average workweek of 41.4 hours was 0.4 hours longer.

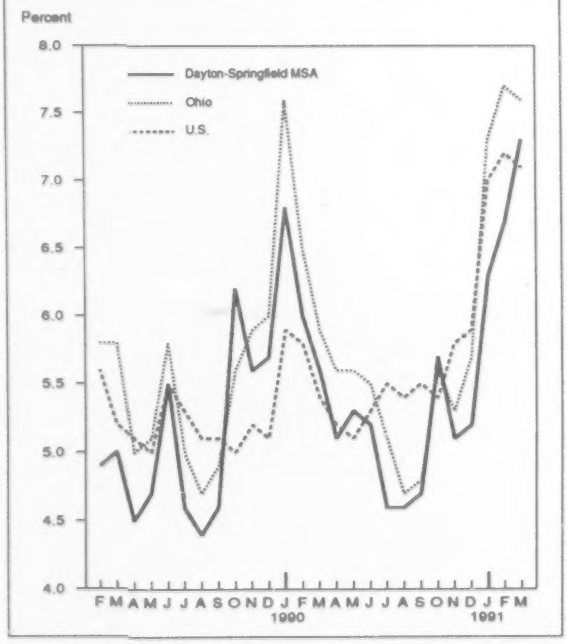
Nonfarm wage and salary employment declined 800 between April 1990 and April 1991. Over-the-year reductions in manufacturing and modest declines in construction lowered the workforce in goods-producing industries 5,900. Significant cutbacks occurred in industrial machinery and equipment (-3,000) and transportation equipment (-1,000). Noteworthy decreases were recorded in fabricated metal products and printing and publishing. Employment in service-producing industries advanced 5,200 during the period. Leading areas of expansion were services, especially business and health services, and retail trade.

Seasonally adjusted employment in the Dayton-Springfield area totaled 450,000 in April 1991, unchanged from March. Since April 1990, nonfarm payroll employment declined 1,000. Reductions in manufacturing and construction partially offset growth in services, transportation and public utilities, retail trade, and finance, insurance, and real estate.

Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.2	453.8	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
476.8	451.5	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
471.8	447.5	24.3	5.1	April	450.5	102.7	66.6	539.23	41.1	13.12
472.5	447.6	24.9	5.3	May	453.9	103.3	67.1	583.08	43.0	13.56
477.8	452.8	25.0	5.2	June	455.3	104.3	67.8	605.68	43.7	13.86
474.5	452.6	21.9	4.6	July	449.6	103.9	67.0	570.54	42.2	13.52
480.1	458.0	22.1	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
477.3	455.0	22.3	4.7	September	456.3	103.2	66.9	590.04	43.1	13.69
482.1	454.7	27.4	5.7	October	456.4	102.6	66.8	580.98	42.5	13.67
480.2	455.8	24.4	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
480.9	456.0	24.9	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
468.2	438.6	29.6	6.3	January	445.6	100.1	64.6	562.51	41.3	13.62
468.1	436.7	31.4	6.7	February	445.1	98.7	63.3	545.66	40.6	13.44
475.7	441.0	34.7	7.3	March	446.0	96.9	61.6	551.86	41.0	13.46
INA	INA	INA	INA	April	449.8	97.4	61.9	565.52	41.4	13.66

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
451	120	17	103	April	331	18	20	82	17	117	77
453	120	16	103	May	333	18	20	82	17	118	78
453	120	16	104	June	333	18	20	82	17	118	77
453	120	16	103	July	333	18	20	82	17	118	77
453	119	16	103	August	334	18	20	82	17	118	78
452	118	16	102	September	334	19	20	82	17	119	77
452	118	15	102	October	334	18	20	82	17	119	77
452	117	15	101	November	334	19	20	82	17	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
451	117	15	101	January	334	18	20	83	18	119	77
452	116	16	100	February	336	18	20	83	18	120	77
450	114	16	98	March	336	19	20	83	18	120	77
450	114	16	98	April	336	19	20	83	18	120	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	449.8	446.0	450.5	3.8	-.8
Goods-Producing Industries[e]	113.0	111.3	118.9	1.7	-5.9
Construction	15.2	14.0	15.8	1.2	-.5
Manufacturing	97.4	96.9	102.7	.5	-5.4
Durable Goods[f]	68.4	68.0	73.9	.4	-5.5
Fabricated Metal Products	7.6	7.6	8.3	.0	-.7
Industrial Machinery and Equipment	28.2	29.7	31.2	-1.5	-3.0
Metalworking Machinery	7.7	7.8	8.4	-.1	-.7
General Industrial Machinery	2.7	2.8	2.8	-.1	-.1
Electronic and Other Electric Equipment	3.4	3.5	3.5	-.1	-.1
Transportation Equipment	20.6	18.6	21.6	2.0	-1.0
Motor Vehicles and Equipment	17.8	15.8	18.4	2.1	-.6
Nondurable Goods[g]	29.0	28.9	28.9	.1	.1
Food and Kindred Products	2.8	2.7	2.5	.0	.2
Paper and Allied Products	6.4	6.4	6.2	.0	.2
Printing and Publishing	8.6	8.6	9.0	-.1	-.4
Rubber and Miscellaneous Plastics Products	7.6	7.5	7.7	.0	-.1
Service-Producing Industries	336.8	334.7	331.6	2.0	5.2
Transportation and Public Utilities	18.5	18.4	18.1	.1	.4
Transportation	12.0	11.9	11.7	.2	.4
Trucking and Warehousing	5.8	5.7	6.0	.1	-.3
Communications, Electric, Gas Services	6.5	6.5	6.4	.0	.1
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	19.8	19.7	20.1	.1	-.2
Wholesale Trade-Durable Goods	13.5	13.4	13.8	.1	-.3
Wholesale Trade-Nondurable Goods	6.4	6.3	6.3	.1	.1
Retail Trade	82.4	81.2	81.0	1.1	1.4
General Merchandise Stores	12.6	12.5	12.5	.1	.1
Finance, Insurance, and Real Estate	17.7	17.5	17.2	.2	.5
Finance	9.6	9.6	9.4	.1	.2
Depository Institutions	7.4	7.3	7.1	.0	.3
Insurance	4.6	4.6	4.3	.0	.3
Services	120.5	119.7	117.3	.8	3.2
Business Services	24.1	23.7	22.9	.4	1.2
Personnel Supply Services	7.0	6.7	6.3	.3	.7
Computer and Data Processing Services	6.1	6.0	5.7	.1	.4
Health Services	39.6	39.5	38.5	.1	1.1
Nursing and Personal Care Facilities	6.9	7.0	6.9	.0	.0
Hospitals	20.0	19.9	19.5	.1	.5
Educational Services	9.3	9.6	9.1	-.3	.1
Social Services	6.6	6.6	6.3	.0	.3
Engineering and Management Services	10.5	10.4	10.5	.0	.0
Research and Testing Services	3.1	3.1	3.2	.0	.0
Government	77.8	78.2	77.9	-.4	-.1
Federal Government	28.1	28.1	29.6	.0	-1.5
State Government	7.8	7.7	7.6	.1	.2
State Government Education[h]	4.9	4.8	4.7	.1	.2
Local Government	41.9	42.4	40.7	-.5	1.2
Local Government Education	26.3	26.9	25.4	-.6	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

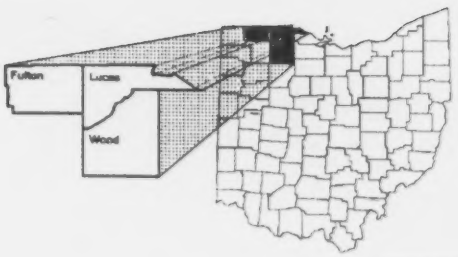
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$565.52	$551.86	$539.23	41.4	41.0	41.1	$13.66	$13.46	$13.12
Durable Goods[f]	586.45	576.58	554.14	41.8	41.6	41.2	14.03	13.86	13.45
Fabricated Metal Products	395.41	401.76	390.00	39.9	40.5	40.0	9.91	9.92	9.75
Industrial Machinery and Equipment	646.65	634.78	574.36	44.2	43.3	41.5	14.63	14.66	13.84
Metalworking Machinery	573.26	557.46	554.70	43.2	42.2	43.0	13.27	13.21	12.90
General Industrial Machinery	574.87	602.58	468.79	46.1	47.9	40.8	12.47	12.58	11.49
Electronic and Other Electric Equipment	373.92	370.53	361.88	41.5	41.4	41.5	9.01	8.95	8.72
Transportation Equipment	699.72	688.42	686.38	40.8	40.4	41.7	17.15	17.04	16.46
Motor Vehicles and Equipment	709.28	695.20	696.81	40.6	40.0	41.7	17.47	17.38	16.71
Nondurable Goods[g]	510.60	488.56	491.27	40.3	39.4	40.5	12.67	12.40	12.13
Food and Kindred Products	345.45	347.85	350.32	39.3	39.8	39.9	8.79	8.74	8.78
Paper and Allied Products	501.48	469.27	476.30	42.0	40.7	42.3	11.94	11.53	11.26
Printing and Publishing	456.54	460.56	465.66	38.3	38.8	39.8	11.92	11.87	11.70
Rubber and Miscellaneous Plastics Products	646.88	628.89	622.12	39.3	38.3	39.3	16.46	16.42	15.83
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	619.29	612.77	563.20	42.1	41.6	40.2	14.71	14.73	14.01
Communications	652.70	641.34	569.37	42.8	42.0	39.9	15.25	15.27	14.27
Wholesale Trade	395.36	395.53	393.82	39.3	39.2	39.5	10.06	10.09	9.97
Retail Trade[i]	183.96	178.75	174.28	28.0	27.8	28.2	6.57	6.43	6.18
General Merchandise Stores	206.21	193.91	180.05	28.8	27.9	27.7	7.16	6.95	6.50
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	286.91	285.58	273.56	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	426.42	424.20	412.46	34.5	34.1	34.4	12.36	12.44	11.99

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

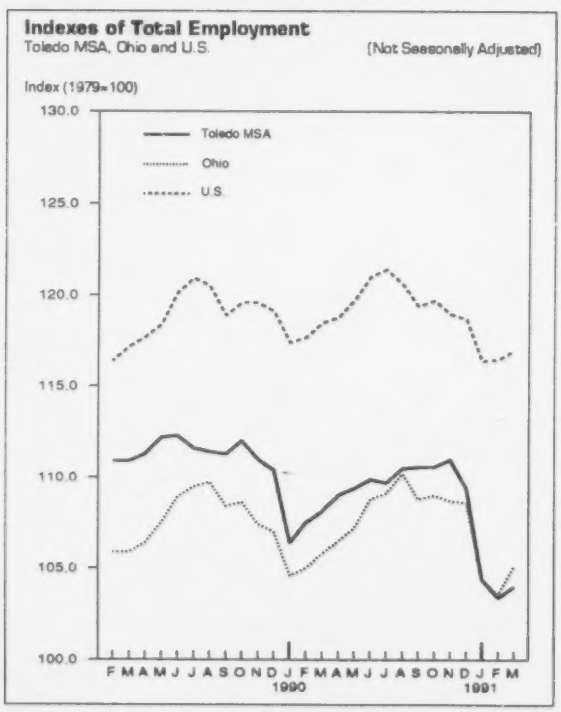
Toledo Metropolitan Statistical Area

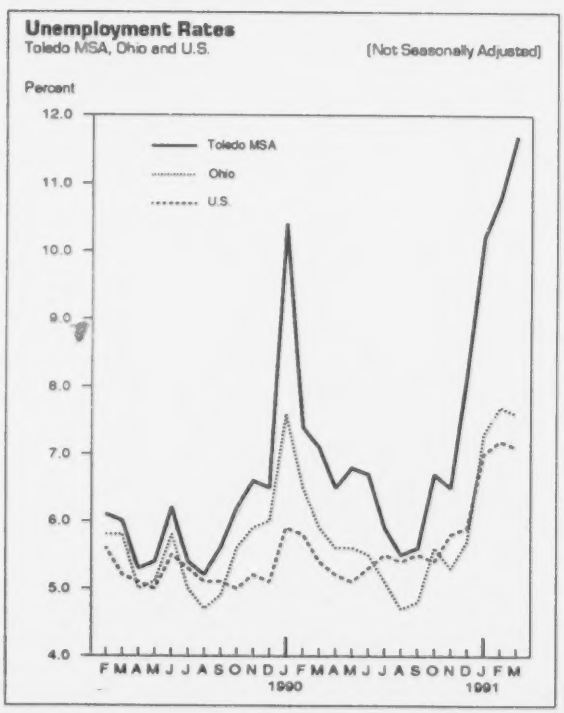


In the Toledo metropolitan area, nonfarm payroll employment increased 5,500 above the March level to 285,900 in April 1991. The recall of workers from temporary layoffs in durable-goods manufacturing, primarily transportation equipment, and seasonal increases in construction raised employment in goods-producing industries 4,100 to 64,500. The number of jobs in service-producing industries rose 1,400 over the month mainly due to more business in services and retail trade. Manufacturing production workers averaged $13.52 per hour, up 49 cents from March. Their average workweek of 42.3 hours was 0.1 hours longer.

Nonagricultural wage and salary employment dropped 5,300 between April 1990 and April 1991. Significant over-the-year reductions among manufacturers of durable goods, especially transportation equipment (-5,100), and declines in construction lowered employment in goods-producing industries 7,400. Noteworthy cutbacks occurred in stone, clay, and glass products and in fabricated metal products. Employment in service-producing industries advanced 2,100 during the period. Moderate growth in services, notably health services, outweighed scattered declines.

Seasonally adjusted employment in the Toledo area increased 3,000 from March to 286,000 in April 1991 due to the return of workers from temporary layoffs in manufacturing. Since April 1990, nonfarm payroll employment fell 5,000. Significant declines in manufacturing and modest decreases in construction and retail trade overshadowed growth in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
316.2	297.4	18.8	6.0	1989	291.9	61.5	43.9	576.81	43.5	13.26
313.9	292.1	21.8	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
311.5	291.2	20.4	6.5	April	291.2	59.7	43.1	581.79	43.0	13.53
313.5	292.2	21.2	6.8	May	294.0	60.0	43.2	589.37	43.4	13.58
314.9	293.7	21.2	6.7	June	293.1	60.7	43.7	585.90	43.4	13.50
311.6	293.1	18.5	5.9	July	288.9	60.4	43.4	576.09	42.8	13.46
312.3	295.2	17.1	5.5	August	288.4	60.4	43.5	584.87	43.1	13.57
312.9	295.4	17.5	5.6	September	294.4	61.1	44.2	610.94	44.4	13.76
316.7	295.4	21.2	6.7	October	294.8	59.5	42.8	585.30	43.1	13.58
317.3	296.6	20.7	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
318.4	292.3	26.1	8.2	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
310.7	279.0	31.7	10.2	January	281.7	53.9	37.2	566.95	42.5	13.34
309.6	276.2	33.4	10.8	February	280.0	52.9	36.2	561.26	42.2	13.30
314.9	278.0	36.8	11.7	March	280.4	50.1	33.5	549.87	42.2	13.03
INA	INA	INA	INA	April	285.9	53.1	36.4	571.90	42.3	13.52

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
291	73	12	60	April	219	15	15	57	12	76	44
292	72	12	60	May	219	15	15	57	12	76	45
292	72	12	60	June	220	15	15	57	12	76	44
292	72	12	60	July	220	15	15	57	12	77	44
292	72	12	60	August	220	15	15	57	12	77	44
291	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	220	15	15	57	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
287	67	11	56	December	220	15	15	56	12	78	44
				1991							
287	66	11	55	January	221	15	15	56	12	78	44
285	65	11	54	February	220	15	15	56	12	78	43
283	62	11	51	March	221	15	15	56	12	79	44
286	65	11	53	April	221	15	15	56	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	285.9	280.4	291.2	5.5	-5.3
Goods-Producing Industries[e]	64.5	60.3	71.8	4.1	-7.4
Construction	11.1	10.0	11.9	1.1	-.8
Manufacturing	53.1	50.1	59.7	3.0	-6.5
Durable Goods[f]	38.6	35.8	44.6	2.9	-6.0
Stone, Clay, and Glass Products	7.7	7.6	8.3	.1	-.6
Primary Metal Industries	3.0	3.0	3.1	.1	-.1
Fabricated Metal Products	5.9	6.0	6.6	.0	-.6
Metal Forgings and Stampings	2.3	2.3	2.6	.0	-.3
Industrial Machinery and Equipment	5.6	5.7	5.6	.0	.1
Transportation Equipment	9.1	6.3	14.2	2.8	-5.1
Nondurable Goods[g]	14.5	14.4	15.1	.2	-.6
Food and Kindred Products	3.6	3.6	3.8	.0	-.2
Rubber and Miscellaneous Plastics Products	3.6	3.5	3.8	.1	-.2
Service-Producing Industries	221.5	220.1	219.4	1.4	2.1
Transportation and Public Utilities	14.5	14.4	14.5	.1	.0
Transportation	9.7	9.5	9.9	.2	-.2
Communications, Electric, Gas Services	4.8	4.8	4.6	.0	.2
Wholesale Trade	15.1	15.0	15.2	.1	-.1
Wholesale Trade-Durable Goods	9.8	9.7	9.8	.1	-.1
Wholesale Trade-Nondurable Goods	5.3	5.3	5.4	.0	-.1
Retail Trade	55.5	54.9	56.0	.7	-.5
General Merchandise Stores	8.2	8.1	8.5	.0	-.3
Finance, Insurance, and Real Estate	12.0	11.9	12.1	.1	-.1
Finance	6.2	6.2	6.2	.0	.0
Insurance	3.7	3.8	3.8	.0	.0
Services	78.7	77.9	75.7	.9	3.0
Business Services	12.5	12.4	12.6	.1	.0
Personnel Supply Services	4.6	4.5	4.5	.1	.2
Health Services	28.8	28.8	27.6	.0	1.1
Nursing and Personal Care Facilities	4.1	4.1	4.0	.0	.1
Hospitals	15.5	15.5	15.2	.0	.4
Engineering and Management Services	6.2	6.2	5.9	.1	.3
Government	45.6	46.0	45.8	-.4	-.2
Federal Government	2.4	2.4	2.8	.0	-.4
State Government	17.6	17.9	17.4	-.3	.2
State Government Education[h]	13.4	13.7	13.1	-.3	.3
Local Government	25.5	25.7	25.6	-.2	.0
Local Government Education	15.0	15.4	14.9	-.4	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

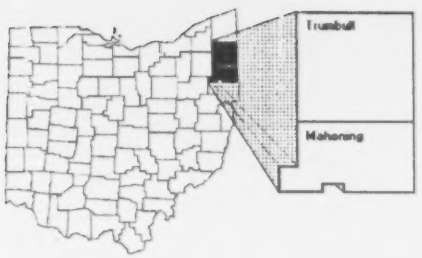
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$571.90	$549.87	$581.79	42.3	42.2	43.0	$13.52	$13.03	$13.53
Durable Goods[f]	578.34	543.51	592.11	42.4	42.1	43.0	13.64	12.91	13.77
Stone, Clay, and Glass Products	521.62	527.85	568.71	41.3	41.4	44.5	12.63	12.75	12.78
Primary Metal Industries	493.73	546.94	466.91	41.7	46.0	41.8	11.84	11.89	11.17
Fabricated Metal Products	555.55	512.86	506.44	43.2	41.9	44.0	12.86	12.24	11.51
Metal Forgings and Stampings	771.73	692.58	640.83	44.2	42.0	41.0	17.46	16.49	15.63
Industrial Machinery and Equipment	474.78	474.33	482.65	40.1	40.3	41.5	11.84	11.77	11.63
Transportation Equipment	764.05	730.48	771.76	42.4	41.2	43.9	18.02	17.73	17.58
Nondurable Goods[g]	553.98	567.43	544.43	42.0	42.6	42.7	13.19	13.32	12.75
Food and Kindred Products	641.76	722.30	551.06	43.1	46.6	40.4	14.89	15.50	13.64
Rubber and Miscellaneous Plastics Products	355.56	351.24	383.78	41.2	40.7	42.5	8.63	8.63	9.03
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	677.25	652.08	659.40	43.0	41.8	42.0	15.75	15.60	15.70
Wholesale Trade	430.14	417.25	418.59	40.2	39.7	40.6	10.70	10.51	10.31
Retail Trade[i]	171.30	168.38	162.75	26.6	26.6	26.9	6.44	6.33	6.05
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	350.73	353.74	361.89	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

Youngstown-Warren Metropolitan Statistical Area

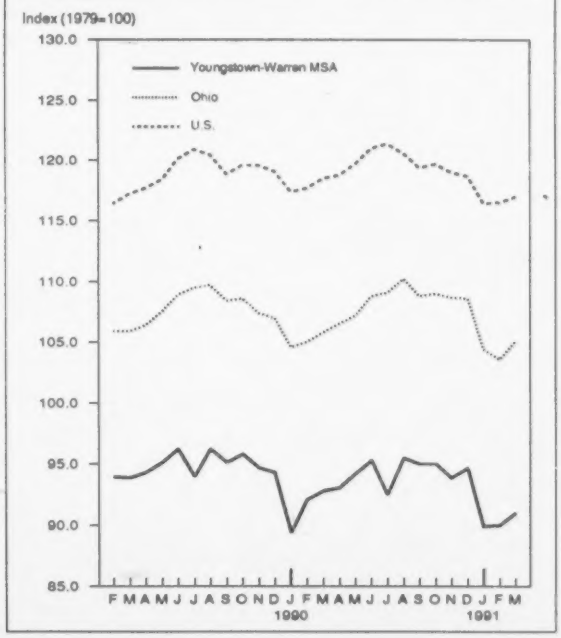


Nonfarm payroll employment in the Youngstown-Warren metropolitan area increased 1,800 above the March level to 196,300 in April 1991. Seasonal gains in construction and improvements in manufacturing, especially primary metal industries and fabricated metal products, raised employment in goods-producing industries 1,200 to 55,200. The workforce in service-producing industries rose 600 over the month. More business in services and retail trade more than offset the temporary layoffs of nonteaching personnel in state and local schools and colleges. Manufacturing production workers averaged $15.17 per hour, down 23 cents from March. Their average workweek of 40.9 hours was 1.4 hours shorter.

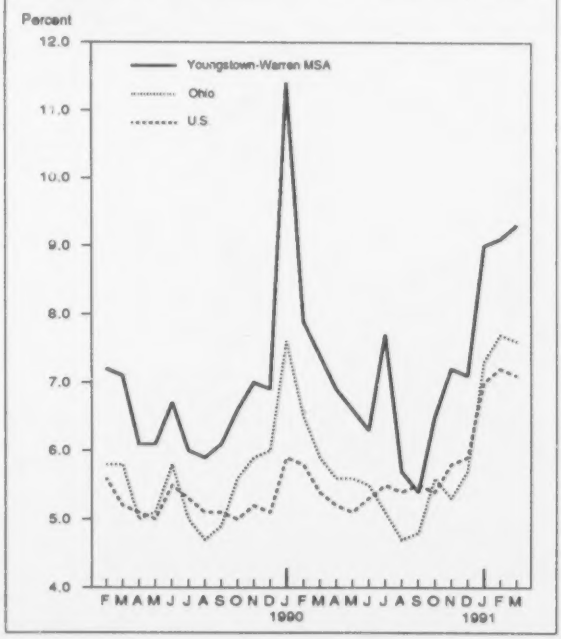
Nonagricultural wage and salary employment dropped 1,400 between April 1990 and April 1991. Scattered production cutbacks in durable-goods manufacturing and declines in construction negated modest growth in nondurable goods, lowering employment in goods-producing industries 2,100. Noteworthy reductions occurred in primary metal industries, transportation equipment, industrial machinery and equipment, and fabricated metal products. Employment in the service-producing sector increased 700 from the year-ago level. Expansion in services outweighed decreases in transportation and public utilities.

Seasonally adjusted employment in the Youngstown-Warren area totaled 197,000 in April 1991, unchanged from March. Since April 1990, nonfarm payroll employment declined 1,000 as a reduction in manufacturing negated growth in services.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.2	208.4	14.9	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
221.8	205.9	15.9	7.2	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
219.9	204.7	15.2	6.9	April	197.7	49.2	37.0	602.45	42.1	14.31
221.8	207.2	14.7	6.6	May	201.3	49.8	37.5	628.72	43.3	14.52
223.7	209.6	14.1	6.3	June	202.0	50.5	38.1	636.08	43.3	14.69
220.2	203.3	16.9	7.7	July	193.4	43.9	31.4	604.56	42.1	14.36
222.8	210.0	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
220.9	209.0	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
223.3	208.8	14.5	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
222.4	206.4	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
224.3	208.3	16.0	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
217.4	197.8	19.6	9.0	January	192.7	46.3	34.0	655.19	42.6	15.38
217.8	197.9	19.9	9.1	February	193.7	47.5	35.2	645.54	42.0	15.37
220.7	200.2	20.6	9.3	March	194.5	47.0	34.8	651.42	42.3	15.40
INA	INA	INA	INA	April	196.3	47.6	35.4	620.45	40.9	15.17

INA – Information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
198	58	8	49	April	141	7	11	42	8	48	24
199	58	8	49	May	141	7	11	42	8	48	25
199	58	8	50	June	141	7	11	42	8	48	24
195	54	8	45	July	141	7	11	42	8	48	24
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	48	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
197	55	8	47	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
198	56	8	48	January	142	7	11	42	8	48	24
198	56	8	48	February	142	7	11	42	8	48	24
197	55	8	47	March	142	7	11	42	8	48	24
197	56	8	47	April	141	7	11	42	8	49	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	196.3	194.5	197.7	1.8	-1.4
Goods-Producing Industries[e]	55.2	54.0	57.3	1.2	-2.1
Construction	7.3	6.6	7.7	.7	-.4
Manufacturing	47.8	47.0	49.2	.6	-1.6
Durable Goods[f]	42.1	41.6	44.1	.5	-2.0
Primary Metal Industries	17.8	17.6	18.6	.2	-.8
Blast Furnace and Basic Steel Products	6.6	6.6	6.4	.0	.1
Fabricated Metal Products	7.0	6.8	7.2	.2	-.2
Metal Forgings and Stampings	3.7	3.7	3.8	.0	.0
Industrial Machinery and Equipment	4.1	4.1	4.3	.0	-.3
Transportation Equipment	8.6	8.6	9.1	.1	-.5
Nondurable Goods[g]	5.5	5.4	5.1	.1	.4
Service-Producing Industries	141.1	140.6	140.4	.6	.7
Transportation and Public Utilities	7.0	7.0	7.3	.0	-.3
Wholesale Trade	11.2	11.1	11.2	.1	.1
Wholesale Trade-Durable Goods	6.4	6.4	6.6	.0	-.2
Wholesale Trade-Nondurable Goods	4.8	4.8	4.5	.1	.3
Retail Trade	41.7	41.0	41.7	.6	.0
General Merchandise Stores	5.2	5.2	5.6	.0	-.3
Finance, Insurance, and Real Estate	8.3	8.3	8.3	.0	.0
Finance	4.7	4.7	4.6	.0	.1
Services	48.4	47.7	47.4	.7	1.0
Health Services	21.6	21.5	21.2	.0	.4
Nursing and Personal Care Facilities	5.0	5.0	5.0	.0	.0
Hospitals	10.7	10.7	10.7	.0	.0
Government	24.5	25.4	24.5	-.9	.0
State Government	4.2	4.6	4.3	-.5	-.1
State Government Education[h]	2.7	3.2	2.8	-.5	.0
Local Government	18.2	18.7	18.0	-.5	.2
Local Government Education	11.6	12.1	11.4	-.4	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

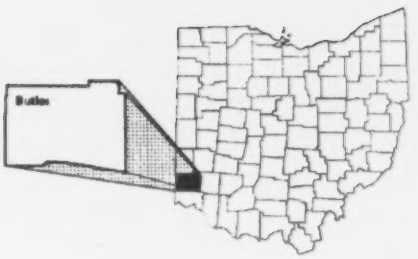
Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$620.45	$651.42	$602.45	40.9	42.3	42.1	$15.17	$15.40	$14.31
Durable Goods[f]	637.96	670.77	616.96	41.0	42.4	42.2	15.56	15.82	14.62
Primary Metal Industries	635.60	649.54	668.53	40.0	40.8	42.5	15.89	15.92	15.73
Blast Furnace and Basic Steel Products	645.21	668.51	693.53	44.9	46.2	47.6	14.37	14.47	14.57
Fabricated Metal Products	653.96	660.73	597.80	42.3	42.3	42.7	15.46	15.62	14.00
Metal Forgings and Stampings	792.18	799.86	700.04	43.1	43.4	43.0	18.38	18.43	16.28
Industrial Machinery and Equipment	487.08	511.68	487.22	39.6	41.6	40.2	12.30	12.30	12.12
Transportation Equipment	763.12	869.03	668.68	42.8	47.0	42.7	17.83	18.49	15.66
Nondurable Goods[g]	457.97	458.02	440.75	40.6	41.3	41.0	11.28	11.09	10.75
Wholesale Trade	406.24	383.16	377.03	38.8	37.2	38.2	10.47	10.30	9.87
Retail Trade[i]	185.72	183.16	178.92	26.8	26.7	27.4	6.93	6.86	6.53
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	232.95	233.71	226.99	....	....	....	.....	.....	.....

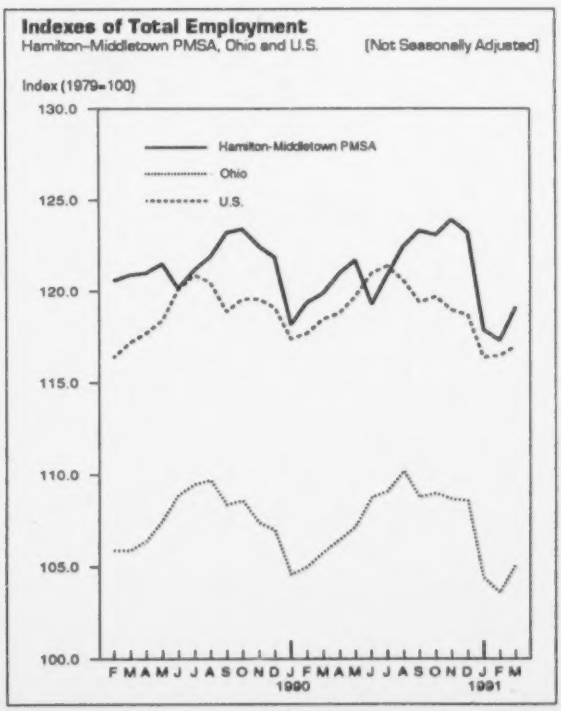
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

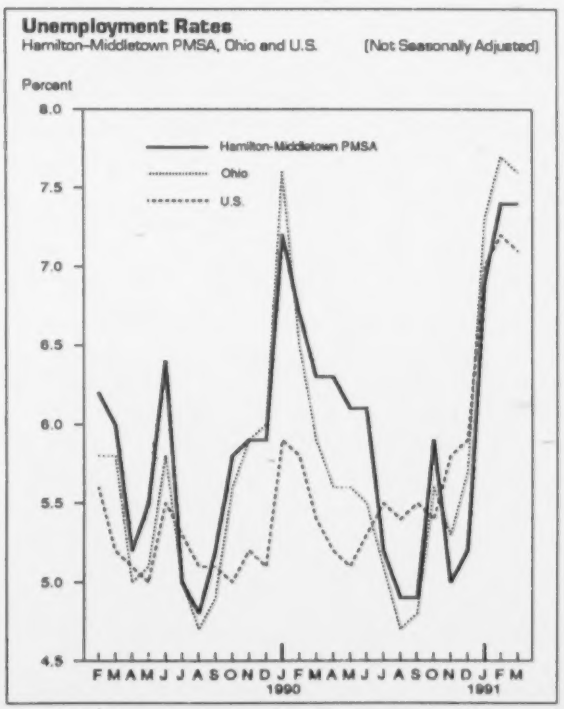
Hamilton-Middletown
Primary Metropolitan Statistical Area



Nonfarm wage and salary employment in the Hamilton-Middletown metropolitan area totaled 97,300 in April 1991, up 1,000 from the March level. Growth in services and retail trade raised employment in service-producing industries 800. The workforce in goods-producing industries increased 200 over the month to 26,100. More business in construction and mining outweighed scattered reductions in manufacturing, particularly primary metal industries. Factory production workers averaged $14.65 per hour, up 15 cents from March. Their average workweek was 2.8 hours longer at 45.9 hours.

Nonagricultural payroll employment advanced 700 between April 1990 and April 1991. Growth was concentrated in the service-producing sector. Noteworthy gains were posted in local and state government and in services, primarily health services. Employment in goods-producing industries dropped 800 due to over-the-year declines in manufacturing and nominal decreases in construction and mining. Production cutbacks occurred in fabricated metal products, industrial machinery and equipment, and paper and allied products.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	132.1	130.2	131.3	2.0	.8
Employment	122.3	120.5	123.1	1.8	-.8
Unemployment	9.8	9.6	8.2	.2	1.6
Unemployment Rate	7.4	7.4	6.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	97.3	96.3	96.5	1.0	.7
Goods–Producing Industries	26.1	25.9	26.9	.2	-.8
Construction and Mining	5.6	5.0	5.7	.6	-.1
Manufacturing	20.5	20.9	21.2	-.4	-.7
Durable Goods	14.2	14.6	14.8	-.3	-.6
Primary Metal Industries	6.4	6.7	6.4	-.3	.0
Fabricated Metal Products	2.3	2.4	2.5	-.1	-.2
Industrial Machinery and Equipment	2.3	2.3	2.5	0	-.2
Nondurable Goods	6.2	6.3	6.4	-.1	-.1
Paper and Allied Products	4.4	4.5	4.6	-.1	-.2
Paper Mills	3.2	3.3	3.4	-.1	-.2
Service–Producing Industries	71.2	70.4	69.7	.8	1.5
Transportation and Public Utilities	3.3	3.4	3.3	-.1	.1
Wholesale Trade	5.8	5.8	5.9	.0	-.1
Wholesale Trade -Durable Goods	3.9	3.9	4.0	.0	-.1
Retail Trade	17.8	17.5	18.0	.3	-.2
Food Stores	3.4	3.3	3.4	.0	.0
Finance, Insurance, and Real Estate	4.4	4.5	4.5	.0	-.1
Services	20.0	19.4	19.4	.6	.6
Health Services	9.1	9.1	8.4	.0	.7
Government	19.8	19.8	18.6	.0	1.2
State Government (Includes Education)	8.1	8.1	7.7	.0	.4
Local Government	11.0	11.0	10.2	.0	.8
Local Government Education	7.5	7.6	6.7	-.1	.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

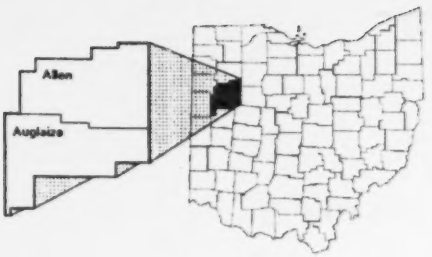
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$672.44	$624.95	$606.54	45.9	43.1	44.5	$14.65	$14.50	$13.63
Durable Goods	697.28	642.38	618.94	46.3	43.2	44.4	15.06	14.87	13.94
Primary Metal Industries	831.60	720.61	720.44	50.4	44.4	46.6	16.50	16.23	15.46
Fabricated Metal Products	479.71	492.37	478.39	38.5	38.8	40.1	12.46	12.69	11.93
Industrial Machinery and Equipment	634.36	647.35	598.64	43.9	44.4	47.1	14.45	14.58	12.71
Nondurable Goods	608.85	577.37	574.00	45.0	42.8	44.6	13.53	13.49	12.87
Paper and Allied Products	651.32	608.72	607.92	47.3	44.4	46.3	13.77	13.71	13.13
Paper Mills	655.65	599.27	621.71	47.0	43.3	46.5	13.95	13.84	13.37
Wholesale Trade	437.78	432.00	436.60	40.2	40.0	41.7	10.89	10.80	10.47
Retail Trade[f]	180.42	174.35	170.41	27.8	27.2	27.8	6.49	6.41	6.13

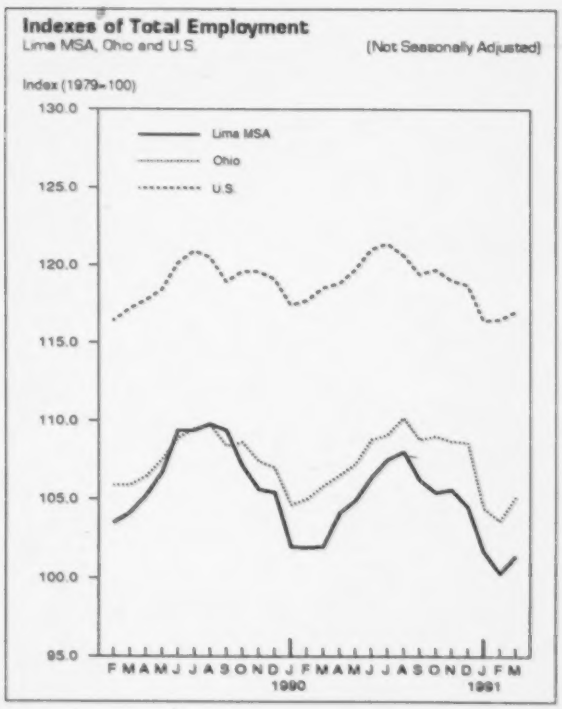
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[i]Depressed due to labor-management disputes.

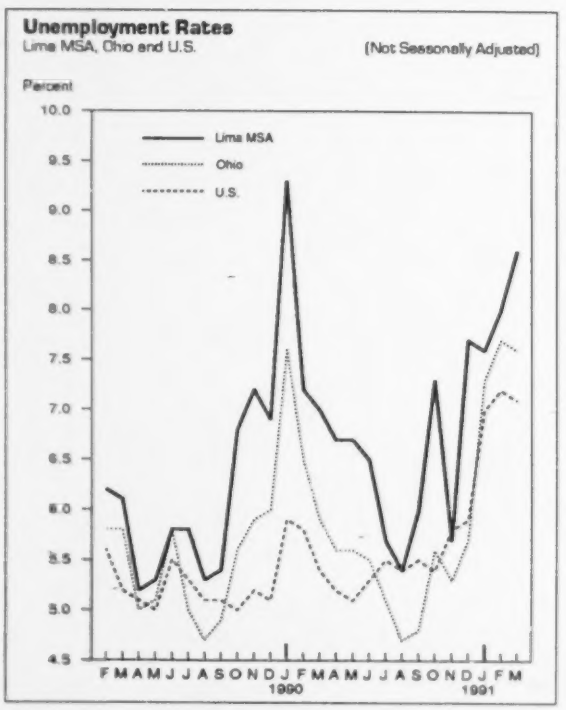
Lima Metropolitan Statistical Area



In the Lima metropolitan area, nonagricultural payroll employment rose 1,200 above the March level to 72,700 in April 1991. Service-producing industries added 700 jobs as a result of growth in retail trade and services. Increased production in manufacturing and more business in construction and mining raised employment in goods-producing industries 500 to 25,100. Gains in transportation equipment and food and kindred products outweighed a decline in industrial machinery and equipment. Manufacturing production workers averaged $13.63 per hour, up fractionally from March. Their average workweek was 0.1 hours longer at 41.4 hours.

Nonfarm wage and salary employment advanced 300 between April 1990 and April 1991. Expansion in services raised employment in the service-producing sector 1,000. Modest increases were posted in local government and transportation and public utilities. Employment in retail trade and wholesale trade declined. The workforce in goods-producing industries dropped 700 over the year due to reductions in durable-goods manufacturing and in construction and mining. Losses in industrial machinery and equipment and transportation equipment more than offset gains in food and kindred products and rubber and miscellaneous plastics products.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	76.7	75.3	75.9	1.3	.8
Employment	70.1	69.3	70.5	.8	-.5
Unemployment	6.6	6.1	5.3	.5	1.3
Unemployment Rate	8.6	8.0	7.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	72.7	71.5	72.4	1.2	.3
Goods-Producing Industries	25.1	24.6	25.8	.5	-.7
Construction and Mining	3.0	2.8	3.2	.2	-.2
Manufacturing	22.1	21.8	22.6	.3	-.5
Durable Goods	15.4	15.2	16.2	.2	-.8
Fabricated Metal Products	2.5	2.5	2.5	.0	.0
Industrial Machinery and Equipment	3.9	4.0	4.2	-.1	-.3
Transportation Equipment	6.4	6.2	6.8	.2	-.3
Motor Vehicles and Equipment	3.4	3.2	3.6	.2	-.1
Nondurable Goods	6.7	6.6	6.4	.1	.3
Food and Kindred Products	1.9	1.8	1.6	.1	.2
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.1	.0	.1
Service-Producing Industries	47.6	46.9	46.6	.7	1.0
Transportation and Public Utilities	3.1	3.1	3.0	.0	.1
Wholesale Trade	3.3	3.3	3.4	.0	-.1
Retail Trade	13.4	13.1	13.6	.4	-.2
General Merchandise Stores	2.1	2.0	2.0	.1	.1
Finance, Insurance, and Real Estate	2.1	2.1	2.0	.0	.0
Services	16.0	15.6	15.0	.4	1.0
Health Services	6.7	6.6	6.4	.0	.3
Hospitals	3.2	3.2	3.2	.0	.1
Government	9.8	9.9	9.6	-.1	.2
Local Government	7.4	7.5	7.1	-.1	.3
Local Government Education	4.3	4.4	4.1	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

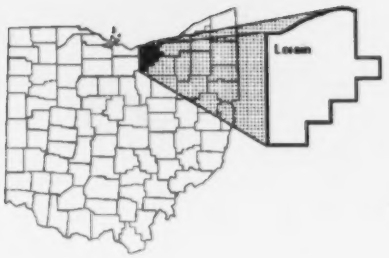
Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$564.28	$562.51	$538.97	41.4	41.3	41.3	$13.63	$13.62	$13.05
Durable Goods	550.39	543.75	536.49	40.8	40.7	41.3	13.49	13.36	12.99
Fabricated Metal Products	358.78	348.69	346.63	39.6	38.7	40.4	9.06	9.01	8.58
Industrial Machinery and Equipment	449.58	463.71	454.86	38.1	39.0	39.9	11.80	11.89	11.40
Transportation Equipment	692.64	672.81	681.79	41.6	41.0	42.4	16.65	16.41	16.08
Motor Vehicles and Equipment	771.16	742.56	787.95	42.7	41.6	45.0	18.06	17.85	17.51
Nondurable Goods	596.09	611.46	545.08	42.7	43.0	41.2	13.96	14.22	13.23
Food and Kindred Products	414.47	406.17	381.19	43.4	42.8	40.9	9.55	9.49	9.32
Rubber and Miscellaneous Plastics Products	665.93	664.30	533.73	45.8	45.5	41.6	14.54	14.60	12.83
Wholesale Trade	370.71	368.83	368.45	38.1	38.3	38.3	9.73	9.63	9.62
Retail Trade[j]	191.51	187.07	188.30	29.6	29.6	29.7	6.47	6.32	6.34
General Merchandise Stores	186.70	180.79	166.78	27.7	27.9	26.9	6.74	6.48	6.20

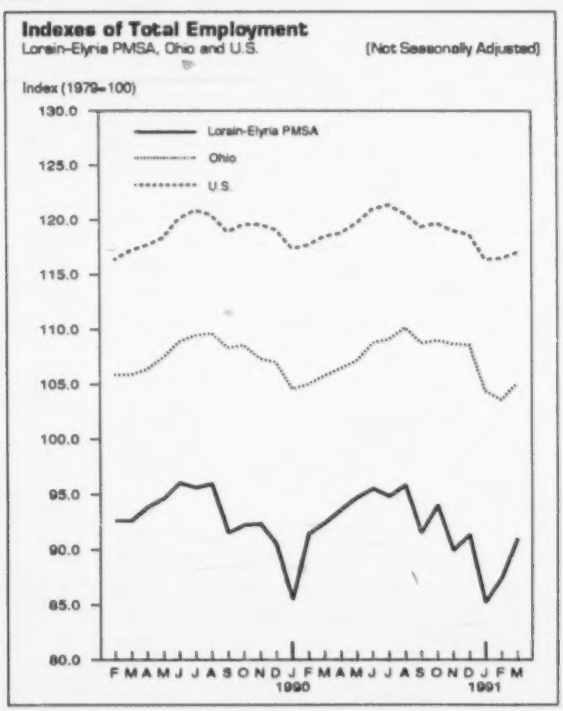
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

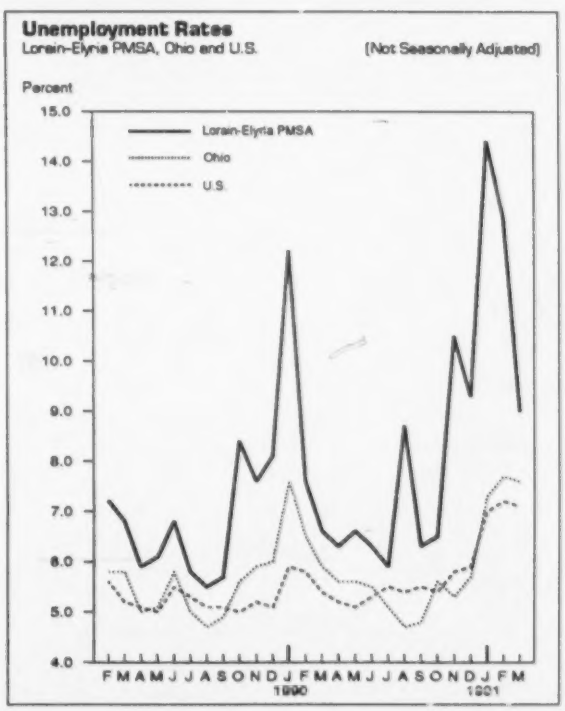
Lorain-Elyria
Primary Metropolitan Statistical Area



Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area totaled 91,800 in April 1991, down 600 from March. Employment in goods-producing industries dropped 1,000 over the month to 31,300. Reduced production in durable-goods manufacturing, primarily transportation equipment, outweighed modest growth in construction and mining. Employment in service-producing industries rose 500. Increased business in services and retail trade more than offset temporary layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $13.70 per hour, down 18 cents from March. Their average workweek was fractionally shorter at 42.0 hours.

Nonagricultural payroll employment fell 2,500 between April 1990 and April 1991. Over-the-year reductions among manufacturers of durable goods and nominal declines in construction and mining lowered employment in goods-producing industries 2,200. Significant production cutbacks were posted in transportation equipment (-1,700). Modest decreases occurred in fabricated metal products and primary metal industries. The service-producing sector lost 300 jobs during the period. Declines in retail trade, wholesale trade, and local schools negated slight growth in transportation and public utilities.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	119.2	119.7	118.1	-.6	1.1
Employment	108.4	104.3	110.2	4.2	-1.8
Unemployment	10.7	15.5	7.8	-4.7	2.9
Unemployment Rate	9.0	12.9	6.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	91.8	92.4	94.3	-.6	-2.5
Goods–Producing Industries	31.3	32.4	33.5	-1.0	-2.2
Construction and Mining	4.8	4.4	4.9	.4	-.1
Manufacturing	26.5	28.0	28.6	-1.5	-2.1
Durable Goods	21.9	23.4	24.0	-1.5	-2.0
Primary Metal Industries	4.4	4.4	4.5	.0	-.1
Fabricated Metal Products	3.8	3.8	4.0	.0	-.3
Transportation Equipment	6.3	7.7	8.0	-1.4	-1.7
Nondurable Goods	4.6	4.6	4.6	.0	.0
Service–Producing Industries	60.5	60.0	60.8	.5	-.3
Transportation and Public Utilities	3.3	3.3	3.2	.1	.1
Wholesale Trade	2.5	2.5	2.6	.0	-.1
Retail Trade	16.1	15.8	16.3	.3	-.2
Finance, Insurance, and Real Estate	2.9	2.9	3.0	.0	-.1
Services	21.6	21.1	21.5	.4	.0
Health Services	8.4	8.4	8.2	.1	.2
Hospitals	3.9	3.8	3.9	.0	.0
Government	14.1	14.3	14.2	-.3	-.1
Local Government	11.8	12.1	11.8	-.3	.0
Local Government Education	7.6	8.0	7.7	-.3	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

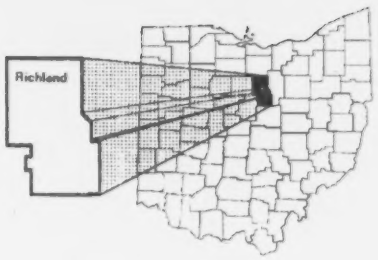
Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$575.40	$584.35	$580.80	42.0	42.1	42.8	$13.70	$13.88	$13.57
Durable Goods	609.18	618.03	615.09	42.6	42.8	43.5	14.30	14.44	14.14
Primary Metal Industries	664.89	666.93	654.29	45.2	45.4	45.5	14.71	14.69	14.38
Fabricated Metal Products	433.14	429.56	390.98	42.8	42.7	40.1	10.12	10.06	9.75
Transportation Equipment	772.78	750.61	790.97	43.1	42.6	45.8	17.93	17.62	17.27
Nondurable Goods	396.00	393.47	390.00	38.9	38.5	39.0	10.18	10.22	10.00
Wholesale Trade	381.31	374.40	360.58	38.4	38.4	38.4	9.93	9.75	9.39
Retail Trade[f]	178.49	167.83	161.62	26.8	25.9	25.9	6.66	6.48	6.24

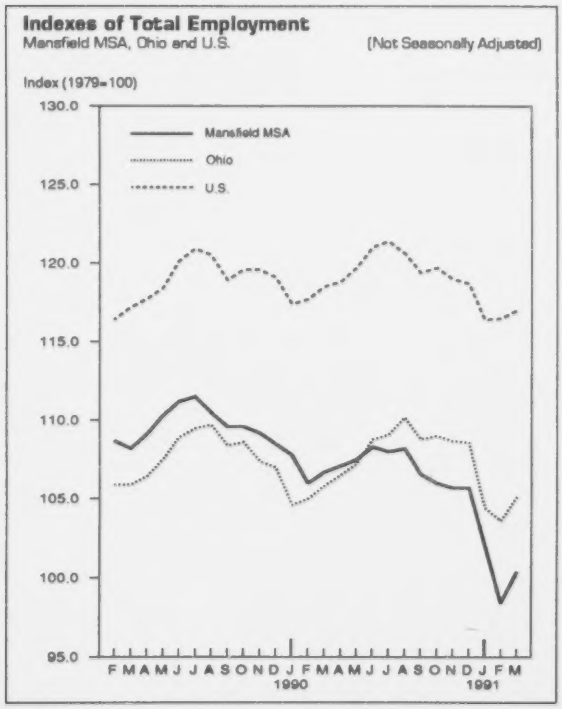
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

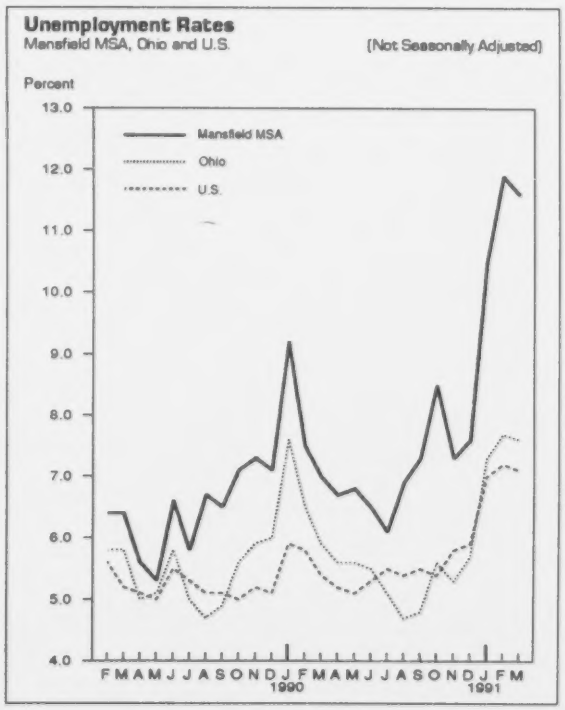
Mansfield Metropolitan Statistical Area



Nonagricultural payroll employment in the Mansfield metropolitan area totaled 57,000 in April 1991, up 300 from March. Improvements in construction and mining and in durable-goods manufacturing, especially fabricated metal products, raised employment in the goods-producing sector 300 to 18,400. Service-producing industries added 100 jobs. Gains in retail trade outweighed declines in nonteaching personnel in local schools. Manufacturing production workers averaged $13.83 per hour, up 13 cents from March. Their average workweek was fractionally shorter at 39.4 hours.

Nonfarm wage and salary employment fell 3,100 between April 1990 and April 1991. Over-the-year production cutbacks in durable-goods manufacturing, mainly electronic and other electric equipment and fabricated metal products, lowered employment in goods-producing industries 2,200. Employment in service-producing industries dropped 900 primarily due to decreases in retail trade and local government.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	63.9	62.9	64.7	1.0	-.8
Employment	56.5	55.4	60.1	1.1	-3.7
Unemployment	7.4	7.5	4.5	-.1	2.9
Unemployment Rate	11.6	11.9	7.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	57.0	56.7	60.1	.3	-3.1
Goods-Producing Industries	18.4	18.2	20.7	.3	-2.2
Construction and Mining	1.9	1.8	2.0	.1	-.1
Manufacturing	16.5	16.4	18.7	.1	-2.2
Durable Goods	14.6	14.4	16.7	.1	-2.2
Fabricated Metal Products	5.0	4.8	5.4	.2	-.4
Electronic and Other Electric Equipment	2.4	2.4	3.4	.0	-1.0
Nondurable Goods	2.0	2.0	2.0	.0	.0
Service-Producing Industries	38.6	38.5	39.4	.1	-.9
Transportation and Public Utilities	2.9	2.9	3.0	.0	-.1
Wholesale Trade	2.2	2.2	2.3	.0	-.1
Retail Trade	10.8	10.5	11.2	.2	-.4
Finance, Insurance, and Real Estate	2.2	2.2	2.3	.0	-.1
Services	12.9	12.9	12.8	.0	.1
Health Services	4.5	4.5	4.4	.0	.1
Government	7.6	7.7	7.8	-.1	-.2
Local Government	5.7	5.8	5.9	-.1	-.2
Local Government Education	4.1	4.2	4.0	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

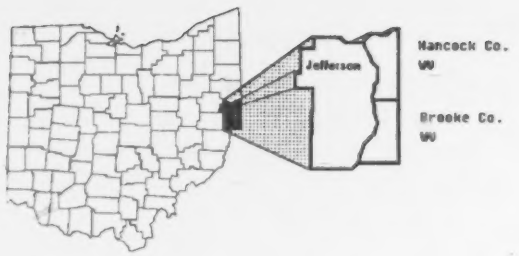
Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$544.90	$541.15	$513.91	39.4	39.5	39.9	$13.83	$13.70	$12.88
Durable Goods	557.77	559.26	533.32	38.6	39.0	39.8	14.45	14.34	13.40
Fabricated Metal Products	700.89	697.73	625.01	38.3	38.4	38.7	18.30	18.17	16.15
Electronic and Other Electric Equipment	393.09	412.63	430.00	38.5	39.6	40.0	10.21	10.42	10.75
Nondurable Goods	426.73	391.90	342.66	45.3	43.4	40.6	9.42	9.03	8.44
Wholesale Trade	341.65	329.11	333.20	40.1	39.7	40.0	8.52	8.29	8.33
Retail Trade[j]	176.20	173.77	165.54	26.9	26.9	26.7	6.55	6.46	6.20

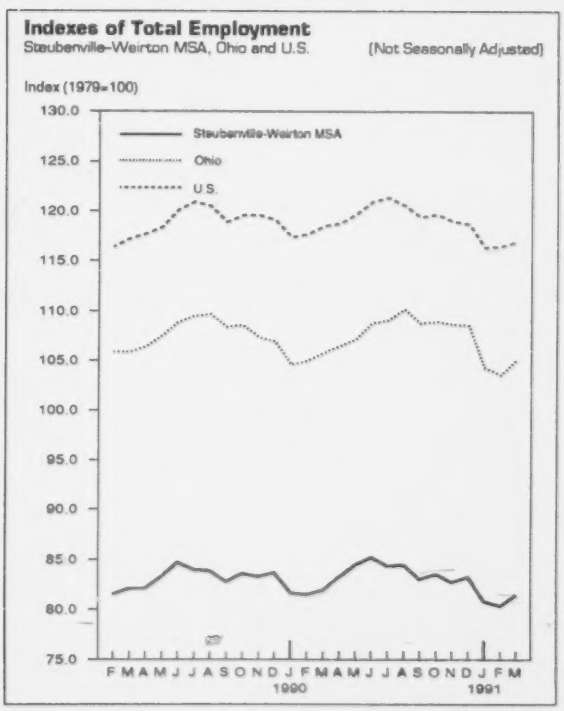
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

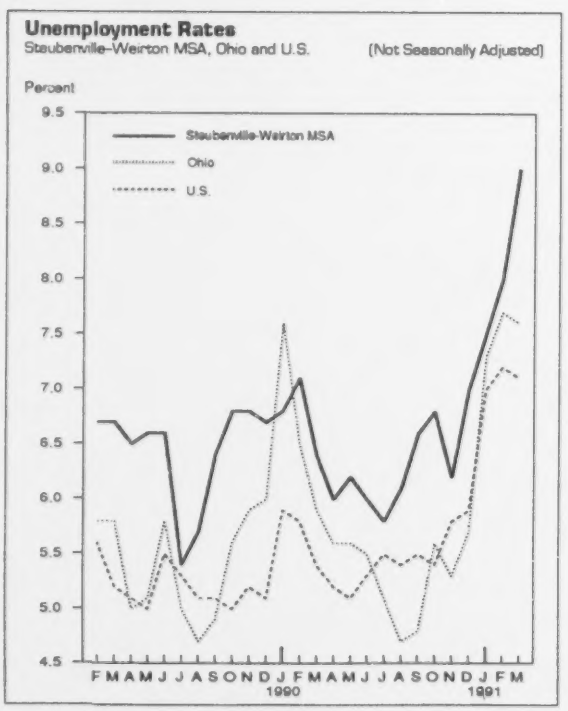
Steubenville-Weirton Metropolitan Statistical Area



Total nonagricultural payroll employment in the Steubenville-Weirton metropolitan area rose 1,000 above the March level to 53,000 in April 1991. Goods-producing industries, at 20,800, added 600 jobs. Gains were recorded in construction and durable-goods manufacturing, especially primary metal industries. Employment in the service-producing sector increased 300 as growth in services and retail trade outweighed declines in local schools. Manufacturing production workers averaged $11.86 per hour, up fractionally from March. Their average workweek was 0.4 hours shorter at 42.7 hours.

Nonfarm wage and salary employment advanced 900 between April 1990 and April 1991. Expansion in services raised employment in service-producing industries 500. Employment in transportation and public utilities and in finance, insurance, and real estate declined. The workforce in goods-producing industries rose 400 over the year. Improvements in construction and nondurable-goods manufacturing outweighed reductions among producers of durable goods, particularly primary metal industries.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1991[b]	Feb. 1991[c]	Mar. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	56.7	55.3	55.4	1.4	1.2
Employment	51.6	50.9	51.9	.7	-.3
Unemployment	5.1	4.4	3.5	.7	1.5
Unemployment Rate	9.0	8.0	6.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Total	53.0	52.1	52.2	1.0	.9
Goods–Producing Industries	20.8	20.2	20.5	.6	.4
Mining	.9	.8	.8	.0	.0
Construction	2.4	2.0	1.9	.4	.5
Manufacturing	17.6	17.4	17.7	.2	-.1
Durable Goods	15.9	15.7	16.1	.2	-.2
Primary Metal Industries	12.6	12.4	12.7	.2	-.2
Nondurable Goods	1.7	1.7	1.6	.0	.1
Service–Producing Industries	32.2	31.9	31.7	.3	.5
Transportation and Public Utilities	3.0	3.0	3.1	.0	-.1
Wholesale Trade	1.2	1.2	1.2	.0	.0
Retail Trade	8.8	8.6	8.8	.2	.0
General Merchandise Stores	1.3	1.3	1.4	.0	-.1
Finance, Insurance, and Real Estate	1.6	1.6	1.7	.0	-.1
Services	11.2	10.9	10.6	.3	.6
Health Services	5.1	5.1	4.8	.1	.3
Hospitals	2.5	2.5	2.4	.0	.1
Government	6.3	6.5	6.3	-.2	.0
Local Government	5.4	5.6	5.3	-.2	.0
Local Government Education	3.5	3.7	3.4	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]
Manufacturing	$506.42	$509.87	$511.37	42.7	43.1	43.3	$11.86	$11.83	$11.81
Durable Goods	525.89	530.27	533.28	43.0	43.5	44.0	12.23	12.19	12.12
Primary Metal Industries	571.51	569.70	572.14	44.2	44.3	45.3	12.93	12.86	12.63
Nondurable Goods	303.42	296.83	222.36	39.0	38.6	34.0	7.78	7.69	6.54
Wholesale Trade	328.28	325.05	323.83	39.6	39.4	39.3	8.29	8.25	8.24
Retail Trade[f]	171.67	165.70	161.79	27.6	26.9	27.1	6.22	6.16	5.97

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	April 1991	March 1991	April 1990
New Applicants	32,838	31,892 [a]	34,945
Applicants Active This Program Year	526,227	495,697	604,078
Counseling Interviews	1,093	1,076	741
Tests Administered	1,465	957	2,274
General Aptitude Tests	1,037	514	221
Proficiency Tests	181	231	276
Specific Aptitude Tests	0	0	563
Referrals to Jobs	21,687	19,122 [a]	31,620
Placements	3,618	2,544	3,904
Job Openings Received	INA	INA	10,696
Job Openings Unfilled	26,236	23,476	19,527

INA – Information not available
[a] Revised

Selected Unemployment Insurance Activities

	Ohio		
	April 1991	March 1991	April 1990
Initial Claims	75,741	87,668	51,085
Continued Claims	669,052	736,034	414,423
First Payments	26,358	43,210	17,234
Last Payments	8,675	7,811	6,589
Average Weekly Claimants	150,320	179,220	99,737
Average Weekly Benefit Recipients	139,958	166,262	91,346
Weeks Compensated	574,828	698,415	365,385
Benefits Paid	$100,411,840	$123,636,787	$60,752,213
Average Weekly Payment	$178.45	$180.46	$169.77
Continued Claims for Survey Week	154,124	180,524	96,703
Insured Unemployment Rate	3.2	3.9	2.2
Net Contributions	$78,585,474	$3,365,031	$91,737,959
Active Employer Accounts	208,785	209,841	207,217

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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COLUMBUS OH 43216-1618

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Keith Ewald, Director, Labor Market Information Division at (614) 644-2689.

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Ohio Labor Market Information

Labor Market Review

May 1991

Summary. The seasonally adjusted unemployment rate in Ohio dropped from 7.2 percent in April 1991 to 5.6 percent in May 1991. The national rate increased from 6.6 percent to 6.9 percent over the month. Total employment in Ohio was up 39,000 from April to 5,163,000 in May. There were 304,000 unemployed Ohioans in May, down 95,000 from April. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,913,000 in May, was up 6,000 from April. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries slipped 2,000 from April to 1,294,000 in May. Losses in heavy construction, except building, and special trade contractors lowered construction employment 2,000, to 199,000. Manufacturing employment, at 1,078,000, was down 1,000 from April. An increase in employment in transportation equipment (+2,000) was offset by a reduction in industrial machinery and equipment and by scattered losses in nondurable-goods industries. Mining employment was little changed at 17,000.

Service-Producing Industries. There were 3,619,000 people employed in service-producing industries in May, up 8,000 from April. Most of the increase occurred in services (+4,000), especially business and health services. Employment in government was up 2,000 over the month. Wholesale trade and retail trade added 1,000 jobs each. Transportation and public utilities and finance, insurance, and real estate were virtually unchanged from April.

Over the Year. Ohio's unemployment rate decreased from 5.8 percent in May 1990 to 5.6 percent in May 1991. The U.S. rate rose from 5.3 percent to 6.9 percent during the same period. Total employment in Ohio was up 51,000 from May 1990, while total unemployment was 13,000 lower. Nonfarm payroll employment increased 18,000 over the year. Employment in services was up 48,000. All other service-producing industries had smaller gains over the year, except government, which declined 1,000. Manufacturing employment was down 39,000 from May 1990. Employment in most durable-goods industries was substantially below the year-ago level. The hardest hit were industrial machinery and equipment (-9,000), fabricated metal products (-8,000), and transportation equipment (-8,000). Construction employment rose 2,000, while mining employment declined 1,000 over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $542.93 per week in May, up $8.04 from April. Their average workweek of 41.7 hours was 0.3 hours longer. Nearly all manufacturing industries had higher earnings due to more overtime. The most significant increases were in motor vehicles and equipment, general industrial machinery, and metal forgings and stampings.

Benefits and Costs. There were 65,623 initial claims filed under the Ohio Unemployment Compensation Law in May, down 13.4 percent from April, but up 52.2 percent from May 1990. Total benefits paid dropped 4.4 percent to $96.0 million. The average weekly benefit check of $178.01 was $0.44 lower than in April. The average weekly number of benefit recipients, at

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

118,172, decreased 15.6 percent. At the end of May, there were 207,841 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 33,115 new job applicants in May, up 0.8 percent from April, but down 5.5 percent from May 1990. The Employment Services Division made 29,313 job referrals in May, up 35.2 percent over the month. There were 4,824 total placements made, up 33.3 percent.

Occupational Wage and Employment Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs and wages by occupations in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644–2689, or write:

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Labor Market Information Division
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Columbus, Ohio 43216

In This Issue

Summary 1
Seasonally Adjusted Series
  Current Data 3
  Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
  Historical Data 7
  Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	May 1991	Apr. 1991	May 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,467	5,523	5,429	-56	38	-1.0	.7
Employment	5,163	5,124	5,112	39	51	.8	1.0
Unemployment	304	399	317	-95	-13	-23.8	-4.1
Unemployment Rate	5.6	7.2	5.8				
Employer Survey Data[e]							
Total	4,913	4,907	4,895	6	18	.1	.4
Goods-Producing Industries	1,294	1,297	1,332	-2	-38	-.2	-2.8
Mining	17	17	18	0	-1	-1.0	-3.8
Coal Mining	7	7	7	0	0	-1.8	-6.6
Oil and Gas Extraction	6	6	6	0	0	-.4	-3.7
Construction	199	201	198	-2	2	-.8	.8
General Building Contractors	48	48	47	0	0	-.5	.3
Heavy Construction, Except Building	25	25	24	-1	1	-2.3	4.1
Special Trade Contractors	127	128	126	-1	0	-.6	.4
Manufacturing	1,078	1,079	1,117	-1	-39	-.1	-3.5
Durable Goods	712	711	749	0	-37	.1	-5.0
Lumber and Wood Products	21	21	22	0	-1	.4	-3.7
Furniture and Fixtures	15	15	15	0	0	-.2	1.5
Stone, Clay, and Glass Products	44	44	46	0	-2	.8	-3.9
Primary Metal Industries	96	96	100	0	-4	-.3	-4.2
Fabricated Metal Products	124	124	132	0	-8	-.3	-6.3
Industrial Machinery and Equipment	157	158	166	-1	-9	-.9	-5.4
Electronic and Other Electric Equipment	77	76	80	0	-4	.4	-4.4
Transportation Equipment	138	136	146	2	-8	1.2	-5.6
Instruments and Related Products	26	26	27	0	-1	.5	-3.6
Nondurable Goods	366	367	368	-1	-1	-.2	-.4
Food and Kindred Products	64	64	62	0	2	-.1	3.4
Apparel and Other Textile Products	14	14	15	0	-1	1.0	-3.9
Paper and Allied Products	38	38	37	0	0	-.9	1.2
Printing and Publishing	76	76	75	0	1	.1	1.9
Chemicals and Allied Products	67	67	66	0	1	-.4	1.5
Rubber and Misc. Plastics Products	89	89	95	0	-5	-.4	-5.8
Service-Producing Industries	3,619	3,611	3,563	8	56	.2	1.6
Transportation and Public Utilities	221	221	220	0	2	-.1	.8
Transportation	130	130	127	0	3	.2	2.0
Communications, Electric, Gas Services	91	92	92	0	-1	-.5	-.9

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	May 1991	Apr. 1991	May 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	265	265	262	1	3	.3	1.2
Wholesale Trade-Durable Goods	165	164	164	0	1	.1	.6
Wholesale Trade-Nondurable Goods	101	100	99	1	2	.6	2.2
Retail Trade	910	909	908	1	2	.1	.2
Building Materials and Garden Supplies	34	34	34	0	0	-.7	-.4
General Merchandise Stores	123	123	127	0	-4	.3	-3.4
Food Stores	140	140	140	0	0	.0	.1
Automotive Dealers and Service Stations	98	98	99	0	-1	.0	-.9
Apparel and Accessory Stores	51	50	49	0	1	.8	2.5
Furniture and Homefurnishings Stores	32	31	31	0	0	.6	1.4
Eating and Drinking Places	314	314	311	0	2	.0	.7
Miscellaneous Retail	119	119	116	0	3	.2	3.0
Finance, Insurance, and Real Estate	257	256	254	0	3	.2	1.0
Finance	121	121	121	0	0	.0	.3
Depository Institutions	89	89	90	0	-1	-.1	-.6
Insurance	91	91	91	0	1	.5	1.0
Real Estate	44	44	43	0	1	-.1	3.0
Services	1,235	1,231	1,187	4	48	.3	4.0
Hotels and Other Lodging Places	40	41	39	0	1	-.3	3.5
Personal Services	55	56	54	0	1	-.5	1.9
Business Services	230	228	217	2	13	.9	5.9
Amusements, Including Motion Pictures	62	63	60	0	2	-.3	4.0
Health Services	409	408	394	1	15	.3	3.7
Legal Services	30	30	29	0	1	.3	3.7
Educational Services	64	64	62	0	2	-.1	2.8
Social Services	83	83	79	0	4	.2	5.2
Membership Organizations	79	79	79	0	0	.1	.4
Engineering and Management Services	94	93	90	0	4	.2	4.3
Government	730	728	731	2	-1	.3	-.2
Federal Government	94	94	108	0	-14	-.1	-12.7
State Government	165	165	162	1	3	.5	2.1
State Government Education	88	87	84	0	3	.4	3.7
Local Government	470	469	461	2	9	.4	2.0
Local Government Education	273	272	266	1	7	.3	2.7

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,410	5,121	289	5.3	5.2	May
5,447	5,138	309	5.7	5.4	June
5,428	5,130	298	5.5	5.3	July
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January
5,384	5,007	377	7.0	6.5	February
5,470	5,073	397	7.3	6.8	March
5,523	5,124	399	7.2	6.6	April
5,467	5,163	304	5.6	6.9	May

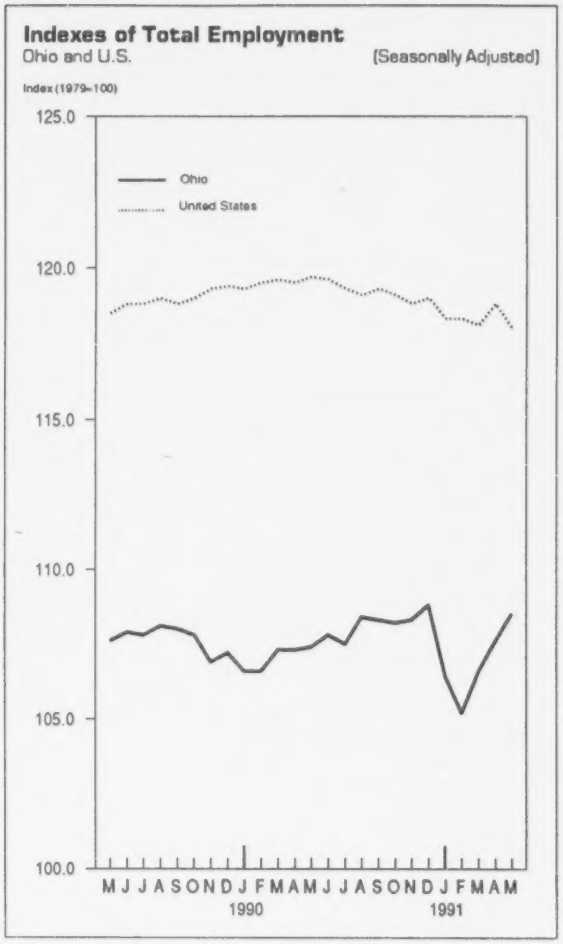
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,798	1,332	18	190	1,124	May
4,812	1,335	18	192	1,125	June
4,816	1,329	16	194	1,119	July
4,830	1,336	18	195	1,122	August
4,834	1,332	18	196	1,119	September
4,830	1,322	18	194	1,110	October
4,845	1,332	18	196	1,119	November
4,854	1,330	18	196	1,117	December
					1990
4,840	1,314	18	199	1,097	January
4,873	1,337	18	204	1,116	February
4,888	1,338	18	204	1,117	March
4,878	1,332	18	199	1,115	April
4,895	1,332	18	198	1,117	May
4,903	1,334	18	197	1,119	June
4,903	1,328	18	196	1,114	July
4,910	1,329	18	197	1,115	August
4,911	1,328	17	197	1,113	September
4,921	1,329	17	197	1,115	October
4,913	1,318	17	198	1,103	November
4,914	1,316	17	199	1,100	December
					1991
4,919	1,315	17	200	1,098	January
4,911	1,300	17	202	1,081	February
4,913	1,296	17	202	1,077	March
4,907	1,297	17	201	1,079	April
4,913	1,294	17	199	1,078	May

Service–Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,466	215	May	261	896	251	May	1,137	706
3,477	216	June	261	899	252	June	1,141	708
3,486	216	July	262	901	252	July	1,148	707
3,495	217	August	262	902	253	August	1,155	706
3,502	218	September	261	902	254	September	1,159	708
3,508	218	October	261	902	254	October	1,163	711
3,513	218	November	261	906	254	November	1,164	710
3,524	219	December	260	909	254	December	1,168	714
		1990				1990		
3,526	219	January	261	909	254	January	1,171	714
3,536	219	February	260	910	254	February	1,175	717
3,550	220	March	261	913	255	March	1,181	720
3,545	219	April	262	907	254	April	1,181	722
3,563	220	May	262	908	254	May	1,187	731
3,570	219	June	263	911	255	June	1,195	727
3,576	219	July	263	911	255	July	1,199	728
3,581	219	August	264	913	255	August	1,204	726
3,583	220	September	264	912	255	September	1,207	725
3,592	220	October	264	912	256	October	1,213	727
3,595	220	November	265	913	256	November	1,215	727
3,598	221	December	265	912	256	December	1,218	726
		1991				1991		
3,604	222	January	265	913	257	January	1,220	727
3,611	222	February	265	913	257	February	1,225	730
3,617	221	March	265	915	257	March	1,229	729
3,611	221	April	265	909	256	April	1,231	728
3,619	221	May	265	910	257	May	1,235	730

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.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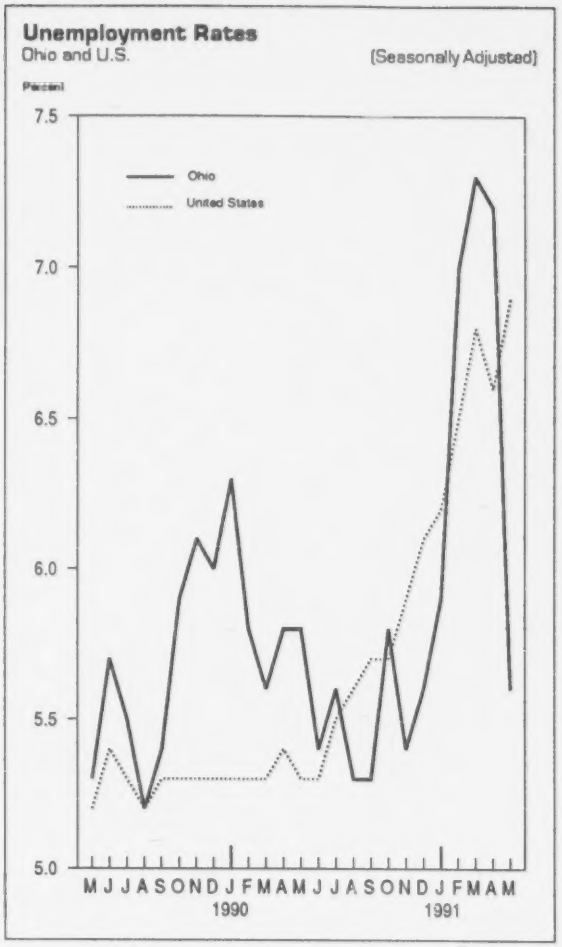
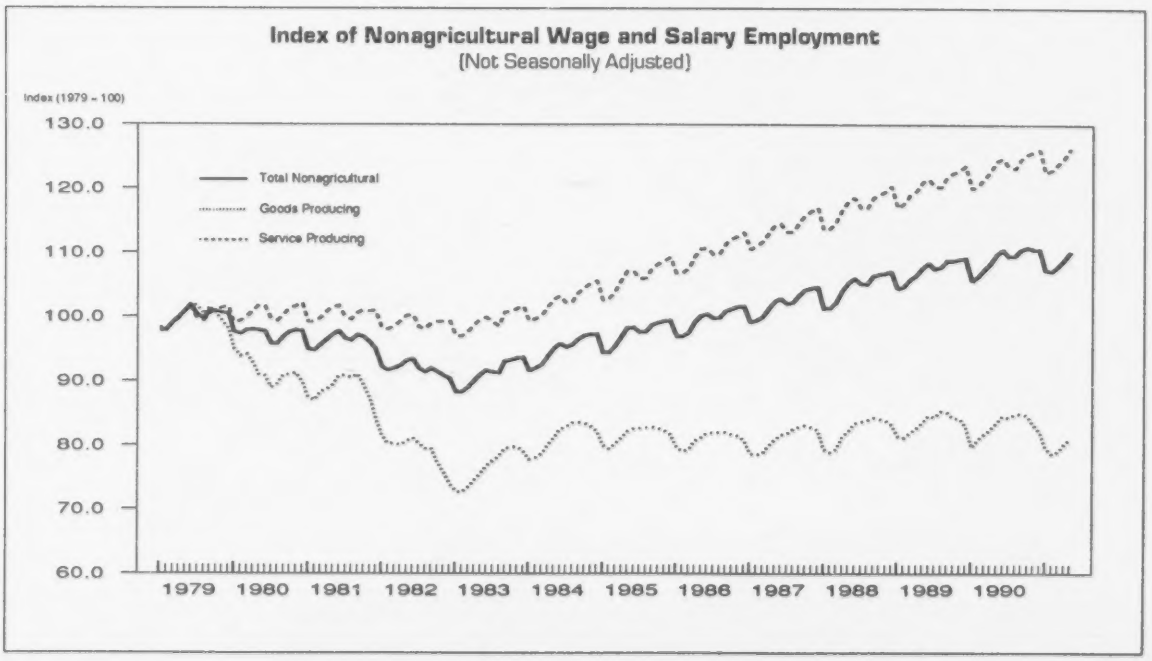
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
M J J A S O N D J F M A M J J A S O N D J F M A M
1990
1991


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.5
7.0
6.5
6.0
5.5
5.0
Ohio
United States
M J J A S O N D J F M A M J J A S O N D J F M A M
1990
1991


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
130.0
120.0
110.0
100.0
90.0
80.0
70.0
60.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
					1990
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
					1991
5,357	4,968	389	7.3	7.0	January
5,341	4,932	409	7.7	7.2	February
5,417	5,004	414	7.6	7.1	March
5,473	5,087	386	7.1	6.5	April
5,445	5,154	292	5.4	6.6	May

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
					1990
4,925.3	1,334.0	17.6	199.1	1,117.2	May
4,956.0	1,352.0	17.9	207.4	1,126.7	June
4,912.3	1,347.3	18.0	214.5	1,114.8	July
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
					1991
4,814.5	1,274.5	16.7	172.2	1,085.6	January
4,807.8	1,256.3	16.4	169.0	1,070.9	February
4,844.7	1,263.4	16.7	176.8	1,069.9	March
4,889.7	1,281.7	16.9	190.0	1,074.8	April
4,943.7	1,295.8	17.0	200.7	1,078.1	May

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
		1990				1990		
3,591.3	219.6	May	262.5	910.4	254.2	May	1,194.3	750.3
3,604.0	221.1	June	264.6	920.0	257.3	June	1,214.9	726.1
3,565.0	221.3	July	265.6	917.8	258.5	July	1,217.6	684.2
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
		1991				1991		
3,540.0	217.5	January	262.1	893.0	253.7	January	1,184.3	729.3
3,551.4	216.7	February	261.7	880.4	254.0	February	1,194.7	744.0
3,581.3	217.6	March	262.7	889.4	254.6	March	1,208.7	748.3
3,608.0	219.3	April	263.9	899.2	254.9	April	1,228.3	742.3
3,647.9	221.2	May	265.6	912.7	256.6	May	1,242.2	749.4

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,264.3	880.3	384.1
1,232.6	858.2	374.4
1,099.9	750.5	349.4
1,066.0	721.9	344.1
1,127.0	771.7	355.4
1,124.2	767.0	357.3
1,109.8	751.0	358.8
1,098.9	738.9	360.0
1,110.6	747.3	363.4
1,122.6	754.7	367.9
1,111.7	743.3	368.5
		1990
1,117.2	750.7	366.4
1,126.7	756.0	370.7
1,114.8	745.0	369.9
1,120.5	748.4	372.2
1,123.2	748.0	375.2
1,121.3	746.9	374.4
1,106.1	734.4	371.7
1,099.9	729.8	370.1
		1991
1,085.6	718.1	367.5
1,070.9	706.7	364.2
1,069.9	706.3	363.6
1,074.8	710.8	364.0
1,078.1	713.3	364.9

Production Workers in Manufacturing

	Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1980	867.8	$301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.5	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	751.4	375.5	32.0
1988	762.3	393.0	32.8
1989	770.4	403.3	32.9
1990	757.3	405.9	32.1
1990			
May	763.9	414.2	32.7
June	770.6	422.2	33.1
July	757.4	403.0	32.0
August	763.2	409.7	32.4
September	766.3	426.7	33.1
October	765.0	418.7	32.6
November	749.8	410.8	32.0
December	743.7	403.9	31.5
1991			
January	731.1	394.6	30.7
February	717.4	377.1	29.6
March	716.7	383.1	29.7
April	721.5	385.9	29.9
May	725.3	393.8	30.2

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods
$347.94	$358.57	$319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
515.57	538.16	466.31
523.50	542.23	478.19
535.94	556.38	492.74
		1990
542.28	564.19	493.08
547.82	571.14	497.12
532.14	550.35	491.99
536.78	555.93	493.92
556.85	581.16	504.38
547.41	571.43	496.78
547.84	568.43	503.37
543.13	562.22	501.06
		1991
539.70	559.99	497.90
525.71	541.86	492.79
534.52	551.20	498.08
534.89	552.78	497.25
542.93	561.79	500.94

Production Worker Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1987	42.6	42.9	41.9
1988	43.0	43.4	42.2
1989	42.7	43.0	41.8
1990	42.4	42.7	41.9
1990			
May	42.8	43.2	42.0
June	43.0	43.4	42.2
July	42.2	42.4	41.8
August	42.4	42.6	42.0
September	43.2	43.5	42.6
October	42.6	42.9	42.1
November	42.7	42.9	42.3
December	42.3	42.4	42.0
1991			
January	42.0	42.2	41.7
February	41.2	41.3	41.1
March	41.5	41.6	41.3
April	41.4	41.5	41.3
May	41.7	41.8	41.4

Production Worker Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1980	$ 8.57	$ 8.81	$ 7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	11.99	12.40	11.05
1989	12.26	12.61	11.44
1990	12.64	13.03	11.76
1990			
May	12.67	13.06	11.74
June	12.74	13.16	11.78
July	12.61	12.98	11.77
August	12.66	13.05	11.76
September	12.89	13.36	11.84
October	12.85	13.32	11.80
November	12.83	13.25	11.90
December	12.84	13.26	11.93
1991			
January	12.85	13.27	11.94
February	12.76	13.12	11.99
March	12.88	13.25	12.06
April	12.92	13.32	12.04
May	13.02	13.44	12.10

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.4	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
46.0	100.3	132.4	May	166.0	79.8	147.1	May	61.0	74.5	94.5
46.5	101.7	133.4	June	166.7	79.7	148.7	June	61.8	75.3	95.7
46.2	99.4	132.0	July	166.3	79.4	142.4	July	61.9	75.7	93.8
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.6	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	78.6	147.0	October	64.3	75.9	95.4
45.4	99.8	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	126.8	January	163.1	76.2	134.3	January	62.5	75.7	91.9
42.5	95.5	122.9	February	161.2	76.1	133.2	February	62.1	75.6	89.5
42.6	96.8	123.4	March	160.5	75.8	131.3	March	62.5	75.6	88.6
43.6	96.1	123.8	April	158.0	75.9	137.2	April	62.6	75.8	89.1
44.2	96.0	124.1	May	157.0	76.3	138.9	May	63.1	75.9	89.0

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	639.[illegible]	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	67[illegible].51	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.39	479.83	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
488.31	650.32	518.32	January	548.70	475.69	724.55	January	482.89	479.50	449.90
490.31	599.23	501.39	February	532.98	472.73	703.50	February	469.68	485.10	443.48
499.31	624.75	511.60	March	537.20	477.99	715.29	March	497.20	484.31	447.12
494.56	635.58	516.89	April	532.97	475.26	704.33	April	478.74	483.15	453.46
493.73	639.21	526.12	May	537.16	474.85	732.31	May	494.91	482.39	452.18

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	4943.7	4889.7	4925.3	54.0	18.4
Goods-Producing Industries	1295.8	1281.7	1334.0	14.1	-38.2
Mining	17.0	16.9	17.6	.1	-.7
Coal Mining	6.5	6.6	6.9	-.1	-.5
Oil and Gas Extraction	5.6	5.5	5.8	.0	-.2
Construction	200.7	190.0	199.1	10.7	1.6
General Building Contractors	47.3	45.9	47.2	1.4	.1
Nonresidential Building Construction	24.0	23.4	24.4	.6	-.4
Heavy Construction, Except Building	25.9	22.7	24.9	3.2	1.0
Highway and Street Construction	10.2	7.9	9.3	2.2	.8
Special Trade Contractors	127.5	121.4	127.0	6.1	.5
Manufacturing	1078.1	1074.8	1117.2	3.3	-39.1
Durable Goods[f]	713.3	710.8	750.7	2.4	-37.5
Lumber and Wood Products	21.1	20.7	21.9	.4	-.8
Millwork, Plywood and Structural Members	9.8	9.4	10.2	.4	-.4
Furniture and Fixtures	15.4	15.3	15.1	.0	.2
Stone, Clay, and Glass Products	44.2	43.6	46.0	.6	-1.8
Primary Metal Industries	96.0	96.1	100.3	-.2	-4.3
Blast Furnace and Basic Steel Products	44.5	44.7	46.3	-.2	-1.8
Iron and Steel Foundries	18.5	18.7	19.7	-.2	-1.2
Nonferrous Rolling and Drawing	15.5	15.5	16.4	.0	-.9
Nonferrous Foundries	10.2	10.1	10.5	.1	-.3
Fabricated Metal Products	124.1	123.8	132.4	.3	-8.4
Fabricated Structural Metal Products	27.6	27.5	29.0	.1	-1.4
Metal Forgings and Stampings	35.4	35.2	38.3	.2	-2.9
Industrial Machinery and Equipment	157.0	158.0	166.0	-1.0	-8.9
Construction and Related Machinery	11.9	12.1	13.4	-.2	-1.5
Metalworking Machinery	46.2	46.8	48.2	-.6	-1.9
Special Industry Machinery	15.2	15.5	16.9	-.3	-1.6
General Industrial Machinery	25.1	25.1	25.8	.0	-.7
Computer and Office Equipment	10.7	10.7	11.1	.0	-.4
Refrigeration and Service Machinery	13.7	13.7	16.2	.0	-2.5
Electronic and Other Electric Equipment	76.3	75.9	79.8	.4	-3.5
Electrical Industrial Apparatus	11.6	11.7	12.2	-.1	-.6
Household Appliances	14.6	14.5	15.9	.1	-1.3
Electric Lighting and Wiring Equipment	15.9	15.9	16.4	.0	-.5
Electronic Components and Accessories	11.2	11.2	11.9	.0	-.6
Transportation Equipment	138.9	137.2	147.1	1.7	-8.2
Motor Vehicles and Equipment	95.7	93.8	101.1	1.9	-5.4
Aircraft and Parts	35.8	35.9	37.7	-.1	-1.9
Instruments and Related Products	25.5	25.4	26.5	.1	-1.0
Measuring and Controlling Devices	14.6	14.6	15.7	.0	-1.0
Nondurable Goods[g]	364.9	364.0	366.4	.9	-1.6
Food and Kindred Products	63.1	62.6	61.0	.5	2.1
Dairy Products	10.6	10.5	9.9	.1	.7
Preserved Fruits and Vegetables	10.8	10.7	10.3	.1	.5
Bakery Products	9.6	9.6	9.6	.0	.0
Apparel and Other Textile Products	14.2	14.0	14.8	.2	-.6
Paper and Allied Products	37.4	37.7	36.9	-.3	.4
Paperboard Containers and Boxes	13.7	13.7	13.2	.0	.5
Miscellaneous Converted Paper Products	12.0	12.2	12.2	-.2	-.2
Printing and Publishing	75.9	75.8	74.5	.2	1.4
Newspapers	18.6	18.7	18.9	.0	-.3
Commercial Printing	28.5	28.4	27.4	.1	1.1
Chemicals and Allied Products	66.7	66.6	65.7	.2	1.0
Plastics Materials and Synthetics	9.6	9.6	9.6	.0	.0
Rubber and Miscellaneous Plastics Products	89.0	89.1	94.5	-.1	-5.5
Tires and Inner Tubes	14.7	14.7	14.7	.0	.0
Miscellaneous Plastics Products	54.7	54.7	57.7	.1	-3.0
Service-Producing Industries	3647.9	3608.0	3591.3	39.9	56.5
Transportation and Public Utilities	221.2	219.3	219.6	1.9	1.6
Transportation	130.0	127.9	127.7	2.2	2.4
Railroad Transportation	11.7	11.5	12.4	.2	-.7
Trucking and Warehousing	76.1	75.1	75.1	.9	1.0
Transportation by Air	15.5	15.4	14.1	.1	1.4
Communications, Electric, Gas Services	91.2	91.4	92.0	-.3	-.8
Communications	47.8	48.0	48.5	-.3	-.7
Electric, Gas, and Sanitary Services	43.4	43.4	43.5	.0	-.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Wholesale Trade	265.6	263.9	262.5	1.7	3.2
Wholesale Trade-Durable Goods	164.8	164.0	163.8	.8	1.0
Motor Vehicles, Parts, and Supplies	22.0	21.9	22.0	.1	[illegible]
Professional and Commercial Equipment	32.1	32.0	32.1	.1	.1
Metals and Minerals, Except Petroleum	11.0	10.9	11.0	.0	.0
Electrical Goods	17.2	17.3	17.4	-.1	-.2
Hardware, Plumbing and Heating Equipment	12.3	12.3	12.4	.0	-.1
Machinery, Equipment, and Supplies	41.3	41.1	40.7	.1	.6
Wholesale Trade-Nondurable Goods	100.8	99.9	98.7	.9	2.1
Groceries and Related Products	34.3	34.1	33.0	.2	1.3
Retail Trade	912.7	899.2	910.4	13.5	2.3
Building Materials and Garden Supplies	36.2	34.7	36.3	1.4	-.1
Lumber and Other Building Materials	18.1	17.4	17.9	.7	.1
General Merchandise Stores	119.3	118.6	123.4	.7	-4.1
Department Stores	99.5	99.0	102.9	.5	-3.4
Variety Stores	9.6	9.5	10.1	.1	-.5
Food Stores	139.6	138.7	139.4	.9	.2
Grocery Stores	124.0	123.3	123.4	.7	.5
Automotive Dealers and Service Stations	98.5	97.7	99.3	.8	-.9
New and Used Car Dealers	41.4	41.2	42.2	.2	-.8
Gasoline Service Stations	35.3	35.1	35.6	.3	-.2
Apparel and Accessory Stores	49.3	48.6	48.1	.6	1.2
Furniture and Homefurnishings Stores	31.2	31.1	30.8	.1	.4
Eating and Drinking Places	320.9	313.1	318.6	7.8	2.3
Miscellaneous Retail	117.8	116.7	114.4	1.1	3.4
Drug Stores and Proprietary Stores	31.3	31.1	30.6	.1	.7
Nonstore Retailers	22.8	22.6	22.0	.2	.8
Finance, Insurance, and Real Estate	256.6	254.9	254.2	1.7	2.4
Finance	120.9	120.5	120.6	.4	.3
Depository Institutions	89.2	88.9	89.7	.3	-.5
Commercial Banks	64.1	63.9	63.5	.2	.5
Insurance	91.3	90.7	90.4	.6	.8
Insurance Carriers	69.3	68.9	68.9	.4	.4
Life Insurance	25.3	25.3	25.2	.0	.2
Fire, Marine, and Casualty Insurance	30.9	30.8	30.6	.1	.3
Real Estate	44.5	43.7	43.3	.8	1.3
Services	1242.2	1228.3	1194.3	13.9	47.9
Hotels and Other Lodging Places	40.7	39.4	39.4	1.3	1.4
Personal Services	54.8	57.6	53.7	-2.8	1.0
Business Services	228.9	224.3	216.2	4.6	12.7
Services to Buildings	34.8	34.4	34.2	.4	.7
Personnel Supply Services	80.1	76.8	75.5	3.3	4.6
Computer and Data Processing Services	29.4	29.3	27.2	.1	2.2
Amusements, Including Motion Pictures	69.1	59.9	66.5	9.2	2.6
Health Services	406.9	405.7	392.5	1.3	14.4
Nursing and Personal Care Facilities	87.5	87.1	85.1	.4	2.4
Hospitals	193.8	193.6	188.6	.1	5.2
Legal Services	29.8	29.6	28.8	.2	1.1
Educational Services	64.7	68.5	63.0	-3.8	1.7
Colleges and Universities	35.5	39.6	34.3	-4.0	1.2
Social Services	83.2	82.9	79.1	.3	4.1
Residential Care	24.5	24.3	23.3	.2	1.3
Membership Organizations	79.1	78.7	78.7	.4	.4
Engineering and Management Services	93.2	93.3	89.5	-.1	3.7
Engineering and Architectural Services	29.5	29.2	28.0	.3	1.4
Accounting, Auditing, and Bookkeeping	21.7	22.4	21.0	-.7	.7
Research and Testing Services	19.4	19.2	19.1	.2	.3
Management and Public Relations	22.6	22.5	21.3	.1	1.2
Government	749.4	742.3	750.3	7.1	-.9
Federal Government	94.0	94.1	107.7	-.1	-13.7
U.S. Postal Service	33.0	33.1	33.8	-.1	-.8
State Government	172.7	172.8	169.1	-.1	3.6
State Government Hospitals	15.4	15.2	16.0	.1	-.6
State Government Education[h]	94.8	95.2	91.5	-.3	3.4
Local Government	482.7	475.4	473.4	7.3	9.3
Local Government Hospitals	14.5	14.5	14.0	.0	.5
Local Government Education	285.5	281.6	278.1	3.9	7.4

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Goods-Producing Industries	$559.31	$551.15	$556.25	41.4	41.1	42.3	$13.51	$13.41	$13.15
Mining	601.48	595.21	628.04	44.0	43.1	44.7	13.67	13.81	14.05
Coal Mining	750.36	742.79	744.60	44.4	43.9	43.8	16.90	16.92	17.00
Construction	637.16	629.07	624.10	39.6	39.0	39.6	16.09	16.13	15.76
General Building Contractors	558.18	558.36	561.00	39.7	39.6	40.8	14.06	14.10	13.75
Heavy Construction, Except Building	764.37	691.81	639.14	44.7	41.6	39.6	17.10	16.63	16.14
Special Trade Contractors	632.06	636.41	638.96	38.4	38.2	39.2	16.46	16.66	16.30
Manufacturing	542.93	534.89	542.28	41.7	41.4	42.8	13.02	12.92	12.67
Durable Goods[f]	561.79	552.78	564.19	41.8	41.5	43.2	13.44	13.32	13.06
Lumber and Wood Products	343.10	318.40	311.38	40.7	38.5	38.3	8.43	8.27	8.13
Millwork, Plywood and Structural Members	408.90	369.72	354.78	43.5	40.1	40.5	9.40	9.22	8.76
Furniture and Fixtures	406.62	418.28	380.59	42.4	43.3	41.1	9.59	9.66	9.26
Stone, Clay, and Glass Products	493.73	494.56	495.79	41.7	41.7	43.0	11.84	11.86	11.53
Primary Metal Industries	639.21	635.58	657.34	42.9	42.8	44.9	14.90	14.85	14.64
Blast Furnace and Basic Steel Products	670.78	671.10	663.85	44.6	44.8	45.5	15.04	14.98	14.59
Iron and Steel Foundries	669.53	662.15	720.94	41.0	41.0	45.2	16.33	16.15	15.95
Nonferrous Rolling and Drawing	630.34	630.18	700.21	38.6	38.9	42.8	16.33	16.20	16.36
Nonferrous Foundries	488.50	451.56	484.02	45.4	42.6	44.9	10.76	10.60	10.78
Fabricated Metal Products	526.12	516.89	531.48	41.2	40.7	43.0	12.77	12.70	12.36
Fabricated Structural Metal Products	461.20	454.10	506.09	41.4	40.8	44.2	11.14	11.13	11.45
Metal Forgings and Stampings	656.12	641.72	662.38	41.5	40.9	44.1	15.81	15.69	15.02
Industrial Machinery and Equipment	537.16	532.97	547.67	41.9	41.9	43.5	12.82	12.72	12.59
Construction and Related Machinery	442.34	452.02	462.35	38.1	38.9	40.1	11.61	11.62	11.53
Metalworking Machinery	510.72	511.94	530.31	42.0	42.1	43.9	12.16	12.16	12.08
Special Industry Machinery	508.30	495.81	515.53	42.5	41.7	43.8	11.96	11.89	11.77
General Industrial Machinery	636.36	579.48	616.72	44.1	41.9	44.4	14.43	13.83	13.89
Computer and Office Equipment	477.12	488.17	459.50	40.4	41.3	41.1	11.81	11.82	11.18
Refrigeration and Service Machinery	578.28	571.84	613.44	41.1	40.7	42.6	14.07	14.05	14.40
Electronic and Other Electric Equipment	474.85	475.26	456.65	40.9	40.9	40.7	11.61	11.62	11.22
Electrical Industrial Apparatus	454.99	452.24	444.47	41.4	41.3	41.5	10.99	10.95	10.71
Household Appliances	485.61	482.33	477.18	40.1	39.6	39.6	12.11	12.18	12.05
Electric Lighting and Wiring Equipment	499.59	490.00	481.19	39.4	39.2	39.9	12.68	12.50	12.06
Electronic Components and Accessories	357.79	354.83	341.13	41.7	41.5	41.1	8.58	8.55	8.30
Transportation Equipment	732.31	704.33	742.29	42.7	41.8	45.4	17.15	16.85	16.35
Motor Vehicles and Equipment	757.56	720.51	776.32	42.8	41.6	46.1	17.70	17.32	16.84
Aircraft and Parts	660.83	675.74	661.32	42.8	43.4	44.0	15.44	15.57	15.03
Instruments and Related Products	395.18	398.19	385.49	39.4	39.7	39.7	10.03	10.03	9.71
Measuring and Controlling Devices	394.06	393.12	373.64	38.9	39.0	38.8	10.13	10.08	9.63
Nondurable Goods[g]	500.94	497.25	493.08	41.4	41.3	42.0	12.10	12.04	11.74
Food and Kindred Products	494.91	478.74	469.83	41.8	41.2	41.8	11.84	11.62	11.24
Dairy Products	483.42	499.48	486.17	42.0	42.8	43.1	11.51	11.67	11.28
Preserved Fruits and Vegetables	504.51	496.40	480.80	40.2	40.0	40.1	12.55	12.41	11.99
Bakery Products	507.67	491.98	504.27	39.6	38.8	40.7	12.82	12.68	12.39
Apparel and Other Textile Products	310.05	304.94	316.41	39.0	38.6	39.7	7.95	7.90	7.97
Paper and Allied Products	524.61	522.44	515.09	43.5	43.5	44.1	12.06	12.01	11.68
Paperboard Containers and Boxes	471.96	463.08	462.27	43.7	43.4	43.9	10.80	10.67	10.53
Miscellaneous Converted Paper Products	455.51	454.98	470.67	41.0	41.1	43.3	11.11	11.07	10.87
Printing and Publishing	482.39	483.15	465.71	39.9	39.7	39.4	12.09	12.17	11.82
Newspapers	382.00	380.58	383.58	32.4	32.5	33.5	11.79	11.71	11.45
Commercial Printing	469.27	480.22	459.15	40.7	40.8	40.1	11.53	11.77	11.45
Chemicals and Allied Products	607.48	609.18	609.00	42.6	42.9	43.1	14.26	14.20	14.13
Plastics Materials and Synthetics	689.47	683.39	672.55	43.2	43.5	43.9	15.96	15.71	15.32
Rubber and Miscellaneous Plastics Products	452.18	453.46	460.82	40.7	41.0	42.2	11.11	11.06	10.92
Tires and Inner Tubes	712.51	706.63	774.45	43.0	42.8	47.6	16.57	16.51	16.27
Miscellaneous Plastics Products	434.16	433.05	441.19	40.5	40.7	41.7	10.72	10.64	10.58
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	657.90	648.61	616.33	43.0	42.7	41.7	15.30	15.19	14.78
Communications	650.76	645.84	559.32	43.5	43.2	39.5	14.96	14.95	14.16
Electric, Gas, and Sanitary Services	668.10	652.13	683.55	42.5	42.1	44.3	15.72	15.49	15.43
Wholesale Trade	426.50	423.84	415.91	39.2	39.1	39.2	10.88	10.84	10.61
Wholesale Trade-Durable Goods	423.55	422.76	411.21	39.4	39.4	39.2	10.75	10.73	10.49
Motor Vehicles, Parts, and Supplies	342.50	346.82	353.44	38.7	39.1	37.6	8.85	8.87	9.40
Metals and Minerals, Except Petroleum	515.53	486.36	472.36	44.1	42.0	42.1	11.69	11.58	11.22
Wholesale Trade-Nondurable Goods	431.01	426.14	423.45	38.9	38.6	39.1	11.08	11.04	10.83

See footnotes on page 13.

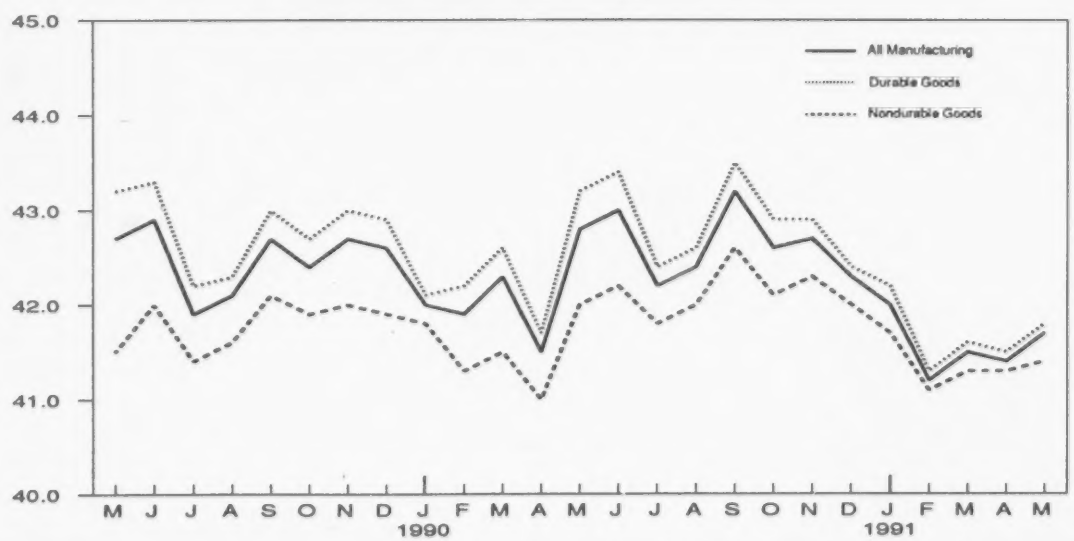
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

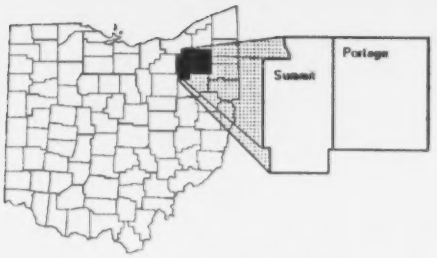
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Retail Trade[i]	$185.15	$183.15	$178.44	27.8	27.5	28.1	$ 6.66	$ 6.66	$ 6.35
General Merchandise Stores	208.66	206.91	192.19	28.9	28.5	28.6	7.22	7.26	6.72
Department Stores	214.91	212.38	195.73	29.2	28.7	28.7	7.36	7.40	6.82
Finance, Insurance, and Real Estate	362.94	362.90	352.67	....	....	....	.....	.....	.....
Finance	337.38	337.81	325.28	....	....	....	.....	.....	.....
Depository Institutions	282.98	281.13	277.74	....	....	....	.....	.....	.....
Commercial Banks	273.24	274.79	274.23	....	....	....	.....	.....	.....
Insurance	432.89	430.72	419.52	....	....	....	.....	.....	.....
Insurance Carriers	420.68	418.95	407.07	....	....	....	.....	.....	.....
Life Insurance	395.67	389.55	383.56	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	458.44	457.63	435.56	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	265.79	265.32	241.08	33.1	33.0	32.8	8.03	8.04	7.35
Health Services	327.14	324.14	311.58	31.7	31.5	31.6	10.32	10.29	9.86
Nursing and Personal Care Facilities	224.83	223.94	208.24	31.8	31.9	31.6	7.07	7.02	6.59
Hospitals	379.32	377.82	365.15	32.2	32.1	32.2	11.78	11.77	11.34
Engineering and Management Services	518.40	523.43	484.98	35.9	36.4	35.4	14.44	14.38	13.70
Engineering and Architectural Services	725.92	712.42	683.26	34.9	34.4	33.2	20.80	20.71	20.58
Research and Testing Services	409.91	416.08	375.58	35.8	35.9	35.6	11.45	11.59	10.55

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



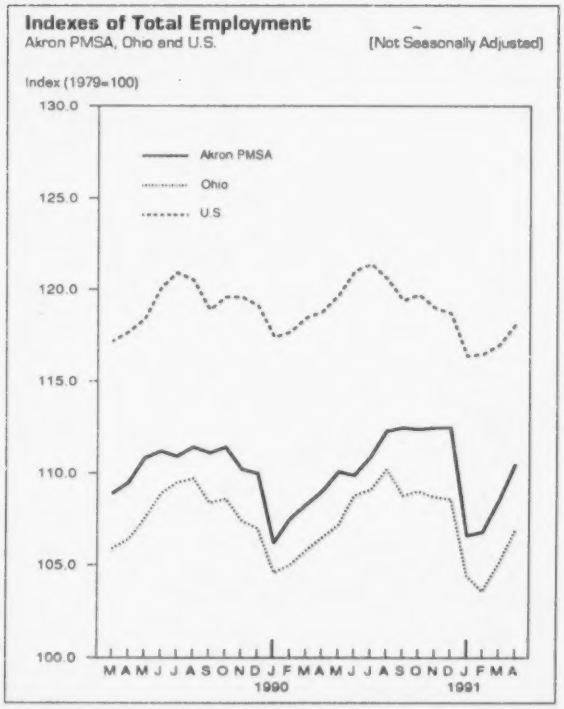
Akron
Primary Metropolitan Statistical Area

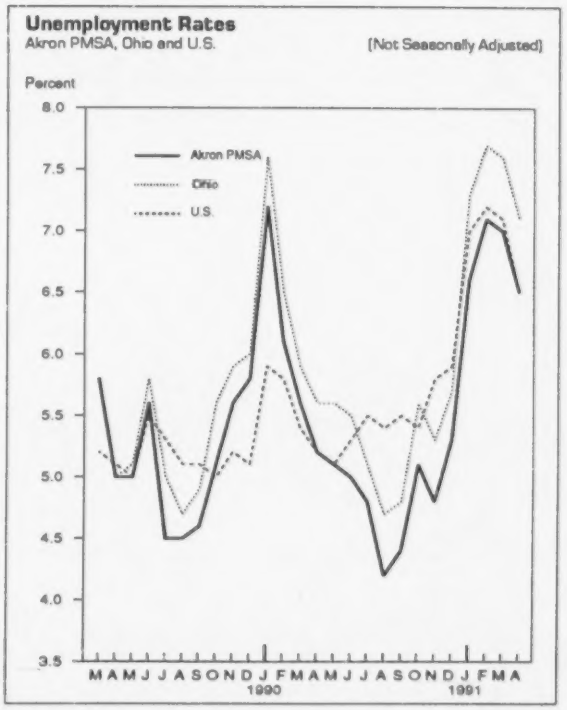


Nonfarm payroll employment in the Akron metropolitan area rose 3,700 above the April level to 291,700 in May 1991. More business in services, especially amusements, including motion pictures, and seasonal increases in retail trade and local government added 2,900 jobs in the service-producing sector. Employment in goods-producing industries totaled 77,500, up 800 over the month, due to improvements in construction and slight gains in manufacturing, particularly fabricated metal products. Factory production workers averaged $11.92 per hour, fractionally higher than April. Their average workweek of 42.1 hours was 0.6 hours longer.

Nonagricultural wage and salary employment advanced 2,700 between May 1990 and May 1991. Expansion in services, primarily health services, raised employment in service-producing industries 3,600. Nominal over-the-year declines were posted in retail trade and wholesale trade. Scattered cutbacks in manufacturing and modest decreases in construction lowered employment in goods-producing industries 800. Reductions in fabricated metal products and industrial machinery and equipment outweighed a gain in food and kindred products.

Seasonally adjusted employment in the Akron area totaled 288,000 in May 1991, unchanged from April. Since May 1990, nonfarm payroll employment advanced 2,000 as expansion in services more than offset fewer jobs in construction and manufacturing.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
331.6	313.7	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
332.3	314.9	17.3	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
330.9	314.1	16.7	5.1	May	289.0	66.9	38.2	516.00	43.0	12.00
329.9	313.6	16.4	5.0	June	285.3	67.1	38.3	524.36	43.3	12.11
332.4	316.5	15.9	4.8	July	284.1	66.8	37.9	509.92	42.6	11.97
334.4	320.5	13.9	4.2	August	285.2	67.0	38.1	529.40	43.5	12.17
335.8	321.1	14.7	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
337.9	320.8	17.1	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
337.5	321.2	16.3	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
339.2	321.1	18.1	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
326.0	304.3	21.6	6.6	January	279.7	67.3	38.6	507.03	42.5	11.93
328.0	304.7	23.3	7.1	February	282.0	65.6	36.8	484.38	41.4	11.70
333.1	309.7	23.4	7.0	March	285.0	66.3	37.6	489.70	41.5	11.80
337.6	315.5	22.1	6.5	April	288.1	66.2	37.4	493.44	41.5	11.89
INA	INA	INA	INA	May	291.7	66.3	37.6	501.83	42.1	11.92

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
286	78	11	67	May	208	14	15	54	11	69	45
285	78	10	67	June	208	14	15	54	11	69	45
286	78	10	67	July	208	14	15	54	11	70	45
287	78	10	67	August	209	14	15	54	11	70	45
287	78	10	67	September	209	14	15	54	11	70	45
287	79	10	68	October	209	14	15	54	11	70	45
288	79	10	68	November	210	14	15	54	11	71	45
289	79	11	68	December	210	14	15	55	11	71	45
				1991							
289	79	10	68	January	209	14	15	54	11	71	45
287	77	10	66	February	210	14	15	54	11	71	45
288	78	10	67	March	210	14	15	54	11	71	45
288	77	10	66	April	211	14	15	54	11	72	45
288	77	10	66	May	211	14	15	54	11	72	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	291.7	288.1	289.0	3.7	2.7
Goods-Producing Industries[e]	77.5	76.7	78.4	.8	-.8
Construction	10.6	10.0	10.8	.6	-.2
Manufacturing	66.3	66.2	66.9	.2	-.6
Durable Goods[f]	33.7	33.6	34.8	.1	-1.1
Fabricated Metal Products	9.9	9.8	10.7	.1	-.8
Fabricated Structural Metal Products	4.4	4.4	4.6	.0	-.1
Industrial Machinery and Equipment	9.5	9.5	10.2	0	-.6
Metalworking Machinery	4.3	4.3	4.0	.0	.3
Electronic and Other Electric Equipment	2.4	2.4	2.5	.0	-.1
Transportation Equipment	4.9	4.9	4.9	.0	-.1
Nondurable Goods[g]	32.6	32.6	32.1	.0	.5
Food and Kindred Products	3.4	3.4	3.1	.0	.3
Chemicals and Allied Products	3.6	3.6	3.5	.0	.1
Rubber and Miscellaneous Plastics Products	19.1	19.2	19.3	.0	-.1
Tires and Inner Tubes	10.2	10.3	10.3	.0	.0
Service-Producing Industries	214.2	211.3	210.6	2.9	3.6
Transportation and Public Utilities	13.9	13.8	13.8	.0	.1
Communications, Electric, Gas Services	5.5	5.5	5.5	.0	.0
Wholesale Trade	14.9	14.8	15.0	.1	-.1
Retail Trade	54.0	53.2	54.3	.7	-.3
General Merchandise Stores	5.7	5.6	6.3	.0	-.7
Food Stores	8.9	8.8	8.9	.1	.0
Finance, Insurance, and Real Estate	10.9	10.7	10.9	.2	.0
Finance	5.3	5.3	5.4	.0	-.1
Services	72.8	71.4	69.4	1.4	3.5
Business Services	12.3	12.1	11.7	.2	.6
Personnel Supply Services	3.4	3.3	3.4	.1	.0
Amusements, Including Motion Pictures	6.4	5.5	6.0	.9	.4
Health Services	23.4	23.3	22.2	.1	1.2
Nursing and Personal Care Facilities	4.0	3.9	3.7	.0	.3
Hospitals	11.6	11.6	11.1	.0	.5
Social Services	5.5	5.5	5.1	.0	.4
Engineering and Management Services	5.4	5.3	5.0	.0	.4
Government	47.8	47.4	47.4	.4	.4
Federal Government	2.6	2.6	3.0	.0	-.4
State Government	17.7	17.7	17.3	-.1	.3
State Government Education[h]	14.8	14.9	14.5	-.1	.4
Local Government	27.6	27.1	27.1	.5	.5
Local Government Education	15.1	14.9	14.9	.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

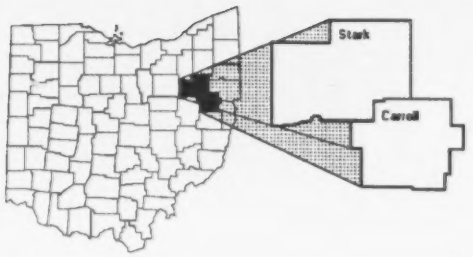
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$501.83	$493.44	$516.00	42.1	41.5	43.0	$11.92	$11.89	$12.00
Durable Goods[f]	506.51	501.26	530.27	42.6	42.3	43.5	11.89	11.85	12.19
Fabricated Metal Products	573.87	562.95	689.02	40.3	39.7	45.6	14.24	14.18	15.11
Fabricated Structural Metal Products	474.56	476.14	561.51	40.7	40.8	45.8	11.66	11.67	12.26
Industrial Machinery and Equipment	509.35	507.07	465.65	45.6	45.6	43.6	11.17	11.12	10.68
Metalworking Machinery	579.59	569.76	496.16	47.9	48.0	44.3	12.10	11.87	11.20
Electronic and Other Electric Equipment	431.55	430.03	423.52	41.1	40.8	41.4	10.50	10.54	10.23
Transportation Equipment	626.25	634.25	617.02	42.2	43.0	42.7	14.84	14.75	14.45
Nondurable Goods[g]	495.56	483.98	495.76	41.4	40.5	42.3	11.97	11.95	11.72
Food and Kindred Products	396.54	379.62	381.42	38.8	38.0	39.2	10.22	9.99	9.73
Chemicals and Allied Products	559.80	552.35	533.58	42.7	42.1	43.1	13.11	13.12	12.38
Rubber and Miscellaneous Plastics Products	502.95	488.72	512.87	42.3	41.0	43.5	11.89	11.92	11.79
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	631.53	623.28	597.37	42.7	42.4	41.0	14.79	14.70	14.57
Wholesale Trade	381.02	377.95	362.96	37.1	37.2	36.7	10.27	10.16	9.89
Retail Trade[i]	222.17	215.82	214.29	30.9	30.1	30.7	7.19	7.17	6.98
General Merchandise Stores	194.09	190.00	201.23	28.5	27.9	29.9	6.81	6.81	6.73
Food Stores	332.01	317.16	312.12	37.6	36.0	36.0	8.83	8.81	8.67
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	292.75	289.66	284.12	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

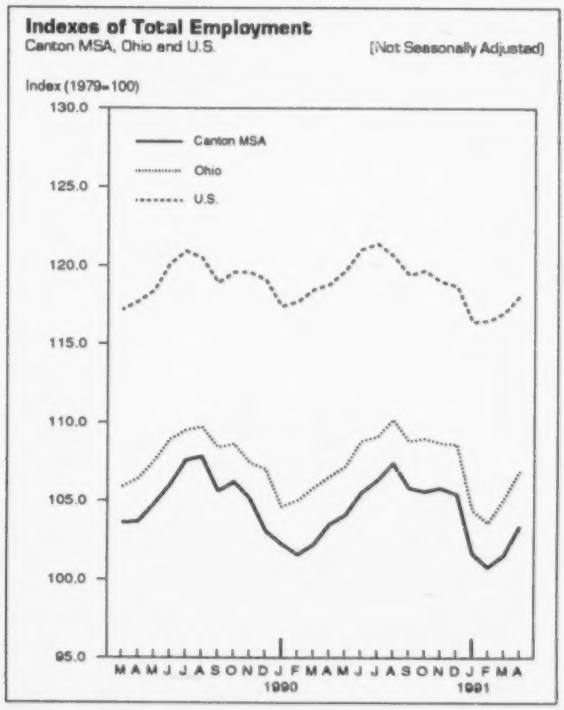
Canton Metropolitan Statistical Area

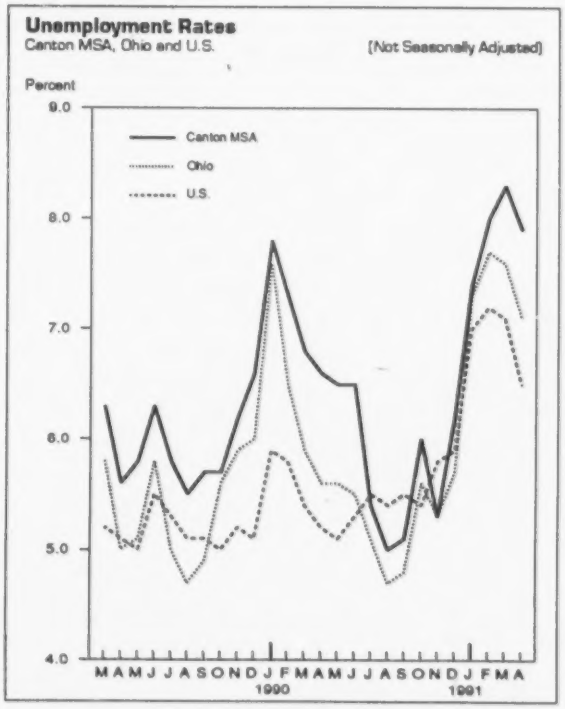


In the Canton metropolitan area, total nonfarm payroll employment rose 2,100 above the April level to 167,000 in May 1991. Employment in the service-producing sector increased 1,300. Modest gains occurred in retail trade, local government, and services. Improvements in manufacturing, especially primary metal industries, and more business in construction raised employment in goods-producing industries 800 over the month to 52,100. Factory production workers averaged $11.31 per hour, up 7 cents from April. Their average workweek of 41.3 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment declined 200 between May 1990 and May 1991. Scattered production cutbacks in manufacturing lowered employment in the goods-producing sector 1,200. Reductions were posted in fabricated metal products, rubber and miscellaneous plastics products, and electronic and other electric equipment. Service-producing industries added 1,000 jobs to the workforce as expansion in services overshadowed nominal decreases in federal government, retail trade, and finance, insurance, and real estate.

Seasonally adjusted employment in the Canton area totaled 166,000 in May 1991, unchanged from April. An improvement in manufacturing counterbalanced scattered declines. Since May 1990, nonfarm payroll employment dropped 1,000. Decreases in manufacturing, retail trade, and government outweighed a gain in services.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.3	182.5	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.8	181.8	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
193.5	180.9	12.6	6.5	May	167.1	44.7	31.0	479.94	42.1	11.40
196.0	183.3	12.8	6.5	June	168.2	45.1	31.5	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	167.2	45.2	31.5	485.18	42.3	11.47
196.4	186.5	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.6	183.8	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
195.0	183.4	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.3	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
190.8	176.6	14.1	7.4	January	163.8	44.2	30.7	473.05	41.9	11.29
190.3	175.1	15.2	8.0	February	162.7	43.5	30.1	466.46	41.5	11.24
192.5	176.5	16.0	8.3	March	163.2	43.2	29.9	470.25	41.8	11.25
195.0	179.6	15.4	7.9	April	164.9	43.1	29.7	466.46	41.5	11.24
INA	INA	INA	INA	May	167.0	43.6	30.1	467.10	41.3	11.31

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	8	45	1990	113	6	9	33	7	40	19
				1990							
167	53	8	45	May	113	6	9	33	7	40	20
166	53	7	45	June	113	6	9	33	7	40	19
166	53	7	45	July	113	6	9	33	7	40	20
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	113	6	9	32	7	40	19
166	53	7	44	December	114	6	9	32	7	41	19
				1991							
167	53	8	45	January	114	6	9	33	7	40	20
167	52	8	44	February	114	6	9	33	7	41	20
166	52	8	44	March	114	6	9	33	7	41	19
166	52	8	43	April	114	6	9	32	7	41	19
166	52	8	44	May	114	6	9	32	7	41	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	167.0	164.9	167.1	2.1	-.2
Goods-Producing Industries[e]	52.1	51.3	53.3	.8	-1.2
Construction	7.7	7.4	7.9	.3	-.1
Manufacturing	43.6	43.1	44.7	.5	-1.1
Durable Goods[f]	33.0	32.5	33.4	.5	-.5
Primary Metal Industries	11.6	11.3	11.3	.4	.3
Fabricated Metal Products	5.2	5.2	5.7	.0	-.5
Electronic and Other Electric Equipment	3.9	3.9	4.2	.0	-.4
Nondurable Goods[g]	10.7	10.6	11.3	.1	-.6
Food and Kindred Products	2.9	2.9	3.0	.0	.0
Rubber and Miscellaneous Plastics Products	2.4	2.4	2.9	.0	-.5
Service-Producing Industries	114.8	113.6	113.8	1.3	1.0
Transportation and Public Utilities	5.8	5.7	5.7	.1	.1
Communications, Electric, Gas Services	2.9	2.9	2.8	.0	.1
Wholesale Trade	8.9	8.8	8.8	.1	.2
Retail Trade	32.4	31.9	32.7	.5	-.3
General Merchandise Stores	3.5	3.5	3.9	.0	-.4
Food Stores	5.6	5.5	5.5	.1	.0
Finance, Insurance, and Real Estate	6.6	6.6	6.8	.0	-.2
Finance	3.8	3.8	4.0	.0	-.1
Services	41.4	41.2	39.8	.2	1.6
Health Services	16.4	16.4	15.9	.0	.5
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.6	7.6	7.4	.0	.2
Government	19.7	19.4	20.1	.3	-.4
Federal Government	1.4	1.5	1.9	.0	-.5
State Government (Includes Education)	1.7	1.7	1.8	.0	-.1
Local Government	16.6	16.3	16.4	.3	.2
Local Government Education	10.1	9.9	9.9	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

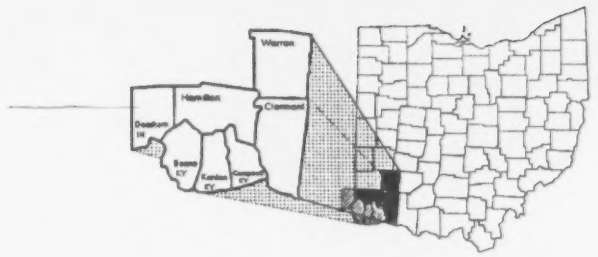
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$467.10	$466.46	$479.94	41.3	41.5	42.1	$11.31	$11.24	$11.40
Durable Goods[f]	480.70	479.52	498.10	41.8	42.1	42.5	11.50	11.39	11.72
Primary Metal Industries	524.18	505.74	548.35	43.5	43.3	44.8	12.05	11.68	12.24
Fabricated Metal Products	442.46	451.67	447.08	39.4	39.9	39.6	11.23	11.32	11.29
Electronic and Other Electric Equipment	597.40	581.13	500.04	41.2	40.3	37.4	14.50	14.42	13.37
Nondurable Goods[g]	424.27	423.05	424.54	39.8	39.5	40.9	10.66	10.71	10.38
Food and Kindred Products	421.01	419.25	442.26	39.2	39.0	40.5	10.74	10.75	10.92
Rubber and Miscellaneous Plastics Products	416.56	419.00	419.99	41.0	41.2	42.9	10.16	10.17	9.79
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	648.22	635.46	574.86	42.9	42.0	40.2	15.11	15.13	14.30
Wholesale Trade	388.61	396.68	383.62	38.4	38.7	38.4	10.12	10.25	9.99
Retail Trade[i]	176.46	176.09	172.87	27.4	27.3	28.2	6.44	6.45	6.13
General Merchandise Stores	186.70	193.07	187.78	27.7	27.7	28.8	6.74	6.97	6.52
Food Stores	179.77	172.08	164.54	28.4	27.8	27.7	6.33	6.19	5.94
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	199.98	200.03	185.06	30.3	30.4	29.8	6.60	6.58	6.21

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

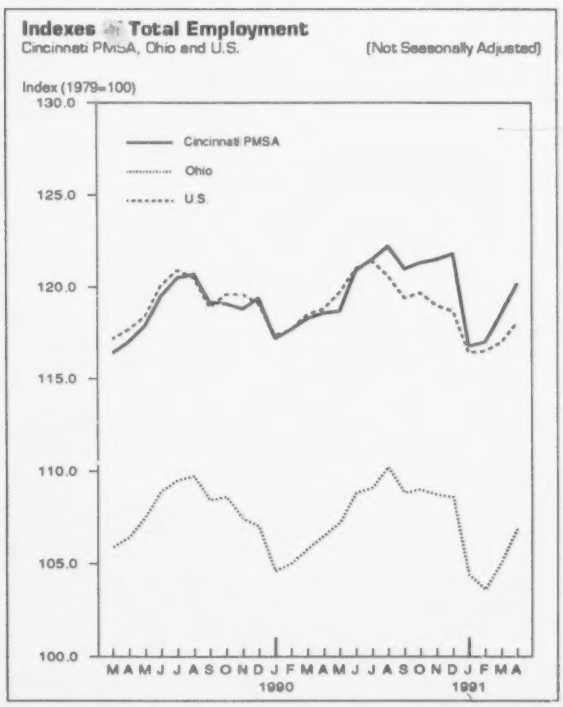
Cincinnati Primary Metropolitan Statistical Area

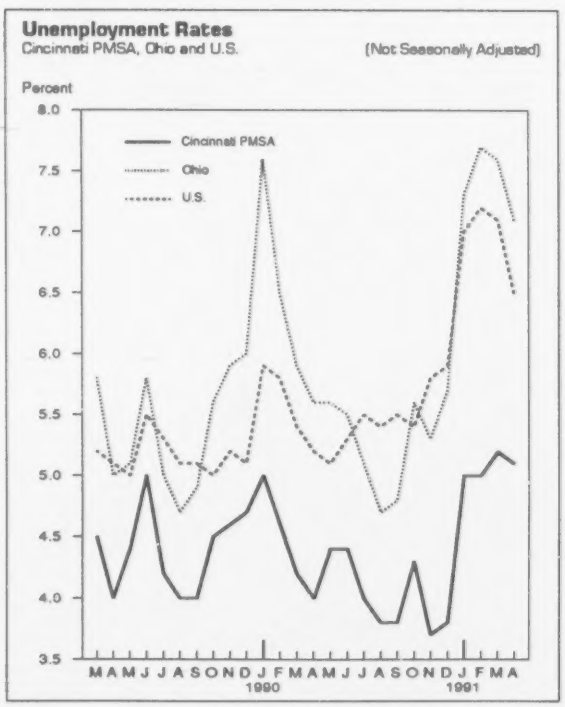


Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 7,100 above the April level to 758,400 in May 1991. Seasonal growth in services, primarily amusements, including motion pictures, and more business in retail trade helped raise employment in the service-producing sector 4,800. The number of employees in goods-producing industries increased 2,300 over the month to 180,000 due to gains in construction and improvements in durable-goods manufacturing, especially transportation equipment (+1,200). Factory production workers averaged $12.45 per hour, up 18 cents from April. Their average workweek of 42.4 hours was 0.7 hours longer.

Nonagricultural payroll employment advanced 11,800 between May 1990 and May 1991. Expansion in service-producing industries created 14,000 jobs. The leading growth sector was services with noteworthy gains occurring in business services, health services, and engineering and management services. Moderate increases were posted in retail trade, local and state schools, and transportation and public utilities. Employment in goods-producing industries fell 2,200 below the year-ago level. Cutbacks in durable-goods manufacturing and decreased employment in construction outweighed improvements in nondurable-goods manufacturing. Reductions in transportation equipment and electronic and other electric equipment were partially offset by increases in chemicals and allied products and printing and publishing.

Seasonally adjusted employment in the Cincinnati area increased 1,000 from April to 754,000 in May 1991 with a modest gain in services. Since May 1990, nonfarm payroll employment advanced 12,000 primarily due to expansion in services (+10,000). Employment in manufacturing declined over the year.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
778.4	743.5	34.8	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
786.9	754.1	32.8	4.2	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
779.9	745.7	34.2	4.4	May	746.6	147.3	92.3	519.60	43.3	12.00
794.3	759.1	35.2	4.4	June	751.5	148.5	93.2	528.00	43.6	12.11
795.1	763.4	31.7	4.0	July	747.0	148.3	93.0	516.86	43.0	12.02
798.0	767.7	30.4	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
790.3	760.0	30.3	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
795.9	761.9	34.0	4.3	October	753.9	149.5	93.7	526.25	43.1	12.21
791.9	762.9	29.0	3.7	November	754.6	149.4	93.2	527.47	43.2	12.21
795.3	765.0	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
772.3	733.9	38.4	5.0	January	737.3	147.3	91.5	521.14	42.3	12.32
773.1	734.6	38.5	5.0	February	737.9	146.6	91.0	515.76	42.0	12.28
785.8	745.0	40.7	5.2	March	744.4	146.0	90.3	516.18	42.0	12.29
796.0	755.2	40.7	5.1	April	751.3	144.7	89.3	511.66	41.7	12.27
INA	INA	INA	INA	May	758.4	145.7	90.4	527.88	42.4	12.45

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
742	183	34	148	May	560	41	48	140	44	191	95
744	182	34	148	June	562	41	49	141	44	193	94
745	182	34	148	July	564	41	49	141	44	193	96
746	182	34	148	August	564	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	195	94
749	182	33	149	October	567	42	49	141	44	198	94
749	182	33	148	November	568	42	49	141	44	197	95
750	181	33	148	December	569	42	49	141	44	198	95
				1991							
752	182	33	148	January	570	42	48	142	44	198	96
753	182	34	148	February	571	42	49	141	44	199	96
754	181	34	147	March	573	42	48	142	44	200	96
753	180	34	146	April	573	42	49	142	44	200	96
754	180	34	146	May	574	42	49	142	44	201	96

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	758.4	751.3	746.6	7.1	11.8
Goods-Producing Industries[e]	180.0	177.7	182.2	2.3	-2.2
Construction	33.9	32.6	34.5	1.3	-.6
Manufacturing	145.7	144.7	147.3	1.0	-1.6
Durable Goods[f]	76.4	75.5	79.9	.9	-3.5
Fabricated Metal Products	11.4	11.5	11.8	-.1	-.4
Fabricated Structural Metal Products	4.1	4.1	4.3	-.1	-.2
Industrial Machinery and Equipment	18.6	18.6	19.0	.0	-.4
Electronic and Other Electric Equipment	7.2	7.4	8.0	-.2	-.8
Transportation Equipment	23.9	22.8	24.9	1.2	-1.0
Motor Vehicles and Equipment	4.8	3.6	5.0	1.2	-.2
Instruments and Related Products	3.7	3.7	4.0	.0	-.3
Nondurable Goods[g]	69.3	69.2	67.4	.1	1.9
Food and Kindred Products	12.2	12.3	11.9	.0	.4
Beverages	2.8	2.8	2.7	.0	.1
Apparel and Other Textile Products	3.3	3.2	3.3	.0	-.1
Paper and Allied Products	6.1	6.2	5.7	.0	.4
Printing and Publishing	15.1	15.1	14.5	.0	.5
Commercial Printing	6.4	6.4	5.9	.0	.5
Chemicals and Allied Products	23.9	23.8	22.8	.1	1.1
Rubber and Miscellaneous Plastics Products	6.2	6.1	6.6	.1	-.4
Service-Producing Industries	578.4	573.6	564.4	4.8	14.0
Transportation and Public Utilities	42.1	41.8	41.0	.2	1.0
Transportation	25.3	25.0	24.4	.3	.9
Trucking and Warehousing	10.6	10.5	10.6	.1	.0
Transportation by Air	7.8	7.8	7.1	.0	.8
Communications, Electric, Gas Services	16.8	16.8	16.6	.0	.2
Communications	9.9	10.0	10.0	-.1	-.1
Wholesale Trade	48.7	48.8	48.4	.0	.3
Wholesale Trade-Durable Goods	27.8	27.9	27.9	-.1	-.1
Retail Trade	141.9	140.4	140.1	1.5	1.7
General Merchandise Stores	20.8	20.7	20.9	.0	-.1
Finance, Insurance, and Real Estate	44.2	44.2	43.6	.0	.6
Finance	17.7	17.8	17.7	.0	.0
Depository Institutions	13.2	13.3	13.3	-.1	-.1
Commercial Banks	9.5	9.5	9.3	-.1	.1
Insurance	17.3	17.3	17.1	.0	.2
Insurance Carriers	14.6	14.6	14.4	.0	.2
Life Insurance	6.9	6.9	6.7	.0	.1
Fire, Marine, and Casualty Insurance	5.5	5.5	5.3	.0	.2
Services	202.9	200.4	193.7	2.5	9.2
Hotels and Other Lodging Places	7.9	7.7	7.4	.2	.4
Personal Services	8.7	9.2	8.5	-.5	.2
Business Services	41.0	40.2	38.5	.8	2.6
Services to Buildings	6.2	6.2	6.3	.1	.0
Computer and Data Processing Services	5.5	5.4	5.0	.1	.5
Amusements, Including Motion Pictures	13.6	12.3	13.5	1.2	.1
Health Services	60.6	60.4	58.1	.2	2.5
Nursing and Personal Care Facilities	11.9	11.8	11.2	.1	.7
Hospitals	28.3	28.3	27.7	.0	.6
Legal Services	4.4	4.4	4.3	.0	.1
Educational Services	7.7	7.8	7.5	-.1	.1
Social Services	13.6	13.5	12.9	.1	.7
Residential Care	4.9	4.9	4.6	.0	.3
Engineering and Management Services	19.0	19.0	17.6	.1	1.4
Engineering and Architectural Services	6.4	6.3	6.0	.1	.4
Government	98.6	98.1	97.4	.5	1.1
Federal Government	16.5	17.2	18.2	-.7	-1.6
State Government	22.3	22.1	21.7	.2	.6
State Government Education[h]	14.1	14.0	13.4	.1	.7
Local Government	59.7	58.7	57.6	1.1	2.1
Local Government Education	35.1	34.3	33.3	.8	1.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

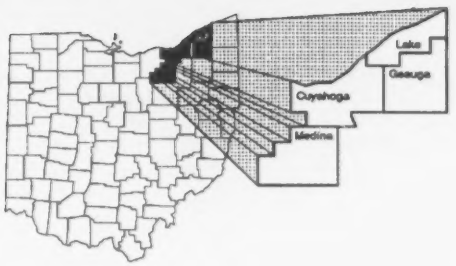
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$527.88	$511.66	$519.60	42.4	41.7	43.3	$12.45	$12.27	$12.00
Durable Goods[f]	526.06	497.95	519.16	42.7	41.6	43.7	12.32	11.97	11.88
Fabricated Metal Products	425.18	430.14	453.49	41.2	41.6	44.2	10.32	10.34	10.26
Fabricated Structural Metal Products	463.25	471.08	546.11	42.5	43.1	48.2	10.90	10.93	11.33
Industrial Machinery and Equipment	488.20	479.52	466.15	42.9	42.1	42.3	11.38	11.39	11.02
Electronic and Other Electric Equipment	415.65	395.04	396.86	42.5	40.6	42.4	9.78	9.73	9.36
Transportation Equipment	781.51	702.99	803.90	45.2	42.4	47.4	17.29	16.58	16.96
Motor Vehicles and Equipment	922.05	678.22	949.62	48.3	38.8	51.0	19.09	17.48	18.62
Instruments and Related Products	441.94	439.21	376.51	43.8	43.4	42.4	10.09	10.12	8.88
Nondurable Goods[g]	527.94	524.17	519.95	42.0	41.8	42.9	12.57	12.54	12.12
Food and Kindred Products	500.07	496.17	498.93	42.2	41.8	42.9	11.85	11.87	11.63
Beverages	594.93	594.50	585.66	41.2	41.0	43.0	14.44	14.50	13.62
Apparel and Other Textile Products	265.18	271.52	273.76	38.1	38.9	40.2	6.96	6.98	6.81
Paper and Allied Products	465.04	462.68	447.91	41.3	41.2	41.9	11.26	11.23	10.69
Printing and Publishing	502.63	506.72	498.49	40.6	40.7	41.3	12.38	12.45	12.07
Commercial Printing	532.39	535.68	517.10	42.9	43.2	43.2	12.41	12.40	11.97
Chemicals and Allied Products	662.69	653.18	655.62	43.8	43.2	44.6	15.13	15.12	14.70
Rubber and Miscellaneous Plastics Products	424.51	415.65	436.04	41.7	41.9	44.0	10.18	9.92	9.91
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	627.41	611.60	582.40	40.4	40.0	39.7	15.53	15.29	14.67
Communications	628.44	597.52	577.34	39.8	38.8	38.8	15.79	15.40	14.88
Wholesale Trade	466.06	458.20	442.33	39.8	39.5	39.6	11.71	11.60	11.17
Retail Trade[i]	182.47	181.06	176.25	27.9	27.6	28.2	6.54	6.56	6.25
General Merchandise Stores	232.11	230.06	219.55	30.5	29.8	30.2	7.61	7.72	7.27
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	291.01	291.98	302.19	....	....	....	.....	.....	.....
Commercial Banks	265.07	264.99	272.79	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	427.20	423.41	415.21	....	....	....	.....	.....	.....
Life Insurance	424.19	418.41	424.68	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	458.57	455.36	430.99	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	446.45	448.47	433.94	32.9	33.0	32.8	13.57	13.59	13.23
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	705.16	670.74	649.08	42.2	40.7	40.9	16.71	16.48	15.87

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

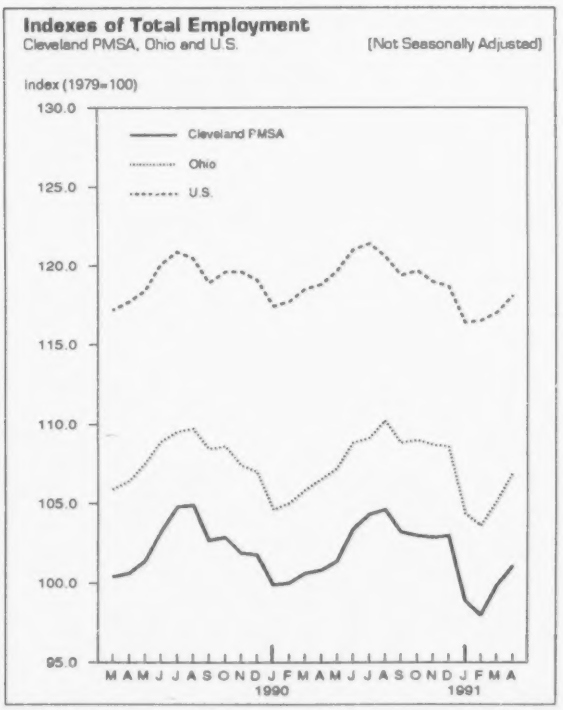
Cleveland Primary Metropolitan Statistical Area

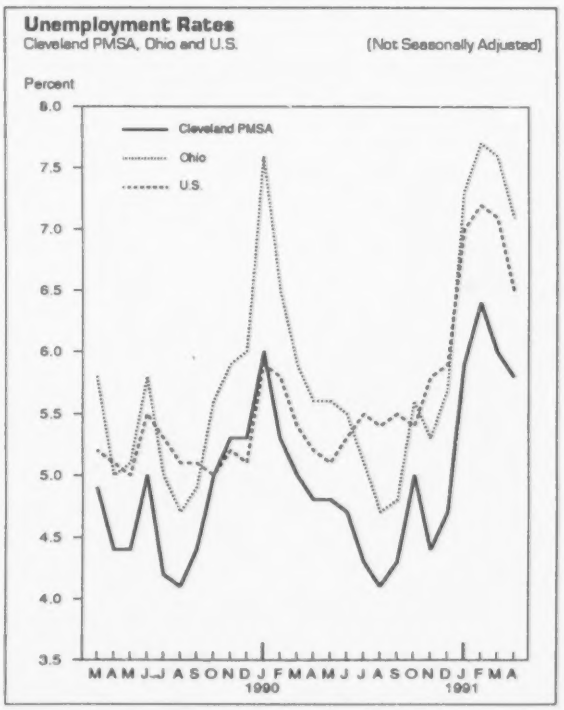


In the Cleveland metropolitan area, nonfarm payroll employment rose 9,500 above the April level to 953,100 in May 1991. Seasonal gains in services, particularly amusements, including motion pictures, and business services, and increases in retail trade helped create 7,700 jobs in the service-producing sector. The workforce in goods-producing industries, at 237,400, gained 1,800 employees. Improvements in construction, especially special trade contractors, overshadowed nominal decreases in manufacturing. Factory production workers averaged $12.44 per hour, up 7 cents from April. Their average workweek of 41.5 hours was 0.2 hours longer.

Nonagricultural wage and salary employment declined 200 between May 1990 and May 1991. Over-the-year production cutbacks among manufacturers of durable and nondurable goods lowered employment in goods-producing industries 5,100. Significant reductions were posted in industrial machinery and equipment, primary metal industries, rubber and miscellaneous plastics products, and transportation equipment. Employment in service-producing industries advanced 5,000 during the period due to expansion in services (+5,800) and retail trade (+1,200). The temporary hiring of census workers raised employment in federal government in May 1990.

Seasonally adjusted employment in the Cleveland area increased 1,000 from April to 952,000 in May 1991. Gains in services and finance, insurance, and real estate more than offset declines in retail trade and manufacturing. Total nonfarm payroll employment was unchanged from May 1990. Reductions in manufacturing and government negated growth in services.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
953.5	907.5	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
954.8	909.1	45.7	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
947.2	901.7	45.6	4.8	May	953.2	207.0	132.3	531.72	43.3	12.28
965.0	919.7	45.3	4.7	June	965.2	208.6	133.3	534.25	43.4	12.31
969.0	926.9	42.1	4.3	July	962.7	207.8	132.2	514.74	42.4	12.14
969.6	930.3	39.4	4.1	August	956.3	206.1	131.1	518.38	42.7	12.14
958.0	917.2	40.8	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
964.4	915.9	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
956.7	914.6	42.2	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
960.9	915.4	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
935.0	879.5	55.5	5.9	January	932.4	204.1	128.3	510.38	41.8	12.21
931.5	871.5	60.0	6.4	February	926.4	199.2	123.7	496.43	41.3	12.02
944.4	887.2	57.1	6.0	March	936.6	201.7	126.2	505.10	41.3	12.23
954.9	899.2	55.6	5.8	April	943.6	201.9	126.8	510.88	41.3	12.37
INA	INA	INA	INA	May	953.1	201.7	126.8	516.26	41.5	12.44

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
952	242	34	207	May	709	43	65	162	58	259	122
953	243	35	207	June	710	43	65	163	58	260	121
951	243	35	207	July	708	43	65	163	58	261	118
948	242	35	206	August	707	43	65	164	58	262	115
953	242	34	206	September	711	43	65	164	58	261	120
953	242	34	207	October	711	43	65	164	58	261	120
949	240	34	204	November	710	43	65	164	58	261	119
949	239	35	203	December	710	43	65	163	58	261	119
				1991							
952	241	34	206	January	711	43	65	164	58	262	120
947	236	35	201	February	711	43	65	163	58	262	120
952	239	35	203	March	713	43	65	164	58	263	120
951	238	35	203	April	712	43	65	164	58	263	120
952	237	35	202	May	714	43	65	163	59	265	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	953.1	943.6	953.2	9.5	-.2
Goods-Producing Industries[e]	237.4	235.5	242.5	1.8	-5.1
Construction	35.1	32.8	34.7	2.3	.5
Special Trade Contractors	24.2	22.6	24.0	1.6	.2
Manufacturing	201.7	201.9	207.0	-.2	-5.3
Durable Goods[f]	136.6	136.9	141.3	-.3	-4.7
Stone, Clay, and Glass Products	3.6	3.5	3.6	.0	-.1
Primary Metal Industries	19.1	19.1	20.3	.0	-1.2
Iron and Steel Foundries	4.2	4.2	4.3	.0	-.1
Fabricated Metal Products	34.1	34.1	34.4	.0	-.3
Screw Machine Products, Bolts, etc.	5.2	5.2	5.1	.1	.1
Metal Forgings and Stampings	11.1	11.0	11.0	.0	.1
Industrial Machinery and Equipment	31.5	31.7	33.5	-.1	-1.9
Metalworking Machinery	12.1	12.3	12.9	-.1	-.8
Electronic and Other Electric Equipment	15.1	15.1	15.5	.0	-.3
Electrical Industrial Apparatus	3.8	3.9	4.2	-.1	-.4
Electric Lighting and Wiring Equipment	5.1	5.1	5.2	.0	-.1
Transportation Equipment	18.8	18.8	19.5	.0	-.7
Motor Vehicles and Equipment	11.3	11.3	11.9	.0	-.6
Instruments and Related Products	7.1	7.1	7.3	.0	-.2
Measuring and Controlling Devices	5.0	5.0	4.9	.0	.1
Nondurable Goods[g]	65.1	65.0	65.7	.1	-.6
Food and Kindred Products	6.4	6.4	6.5	.0	.0
Apparel and Other Textile Products	3.1	3.1	3.2	-.1	-.1
Paper and Allied Products	6.0	5.9	5.9	.0	.0
Printing and Publishing	17.8	17.6	17.3	.1	.5
Chemicals and Allied Products	14.8	14.8	14.7	.0	.1
Rubber and Miscellaneous Plastics Products	10.7	10.8	11.8	-.1	-1.1
Miscellaneous Plastics Products	7.1	7.1	7.3	.0	-.2
Service-Producing Industries	715.7	708.0	710.8	7.7	5.0
Transportation and Public Utilities	43.2	42.5	43.3	.7	-.2
Transportation	26.1	25.4	25.6	.7	.5
Trucking and Warehousing	11.5	11.3	11.4	.2	.1
Transportation by Air	5.5	5.5	5.2	.0	.3
Communications, Electric, Gas Services	17.1	17.1	17.7	.0	-.7
Communications	10.1	10.1	10.4	.0	-.3
Electric, Gas, and Sanitary Services	7.0	7.0	7.4	.0	-.4
Wholesale Trade	64.9	64.6	65.1	.3	-.2
Wholesale Trade-Durable Goods	44.5	44.3	44.6	.2	-.1
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.1	.0	-.1
Professional and Commercial Equipment	8.9	8.9	9.2	.0	-.4
Retail Trade	163.1	160.8	161.9	2.3	1.2
General Merchandise Stores	19.2	19.1	20.3	.2	-1.1
Finance, Insurance, and Real Estate	58.3	57.8	57.8	.5	.5
Finance	27.5	27.4	27.8	.0	-.4
Depository Institutions	20.2	20.1	20.4	.1	-.3
Commercial Banks	12.8	12.8	13.0	.0	-.2
Insurance	19.3	19.1	18.9	.2	.4
Insurance Carriers	14.6	14.4	14.2	.2	.4
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	.0	.1
Services	265.6	262.0	259.8	3.7	5.8
Business Services	52.9	51.7	52.5	1.1	.3
Personnel Supply Services	19.1	18.4	19.7	.7	-.6
Computer and Data Processing Services	6.9	6.8	6.5	.1	.3
Amusements, Including Motion Pictures	12.5	11.2	12.7	1.3	-.3
Health Services	81.4	81.3	79.6	.2	1.8
Nursing and Personal Care Facilities	14.6	14.6	14.2	.0	.4
Hospitals	43.3	43.3	43.0	.0	.4
Legal Services	10.0	9.9	9.6	.1	.4
Educational Services	17.8	17.6	17.7	.1	.1
Social Services	15.9	15.9	14.9	.0	1.0
Residential Care	4.4	4.4	4.1	.0	.3
Engineering and Management Services	23.1	23.0	22.2	.2	1.0
Engineering and Architectural Services	8.7	8.6	8.2	.1	.5
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.2	.0	.3
Management and Public Relations	5.3	5.2	5.0	.1	.2
Government	120.6	120.3	122.8	.2	-2.2
Federal Government	19.4	19.7	22.2	-.3	-2.8
State Government	8.5	9.0	8.1	-.5	.3
State Government Education[h]	3.5	3.7	3.2	-.2	.3
Local Government	92.7	91.7	92.5	1.0	.2
Local Government Education	46.5	46.1	47.1	.4	-.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

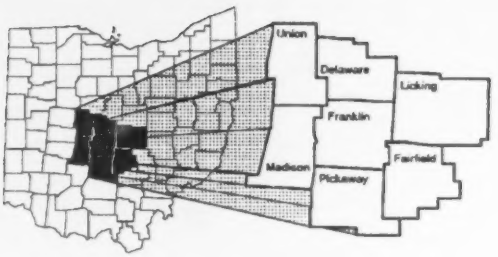
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$516.26	$510.88	$531.72	41.5	41.3	43.3	$12.44	$12.37	$12.28
Durable Goods[f]	543.44	536.68	572.32	41.9	41.7	44.4	12.97	12.87	12.89
Stone, Clay, and Glass Products	523.53	537.56	517.44	43.7	44.5	43.3	11.98	12.08	11.95
Primary Metal Industries	542.69	517.92	565.00	42.9	41.6	45.2	12.65	12.45	12.50
Iron and Steel Foundries	797.22	749.66	950.90	43.0	41.1	50.1	18.54	18.24	18.98
Fabricated Metal Products	544.74	556.29	563.71	42.0	42.4	43.8	12.97	13.12	12.87
Screw Machine Products, Bolts, etc.	511.04	534.80	550.00	42.2	43.8	44.0	12.11	12.21	12.50
Metal Forgings and Stampings	682.13	682.54	725.68	43.2	42.9	45.9	15.79	15.91	15.81
Industrial Machinery and Equipment	519.82	519.35	583.75	42.4	42.5	46.7	12.26	12.22	12.50
Metalworking Machinery	479.49	481.85	594.57	40.6	40.8	48.3	11.81	11.81	12.31
Electronic and Other Electric Equipment	406.74	422.81	420.97	38.7	39.7	40.4	10.51	10.65	10.42
Electrical Industrial Apparatus	438.68	429.72	457.29	41.7	41.2	43.1	10.52	10.43	10.61
Electric Lighting and Wiring Equipment	398.88	406.25	369.74	36.0	36.5	36.9	11.08	11.13	10.02
Transportation Equipment	748.36	697.19	781.93	42.4	40.7	45.7	17.65	17.13	17.11
Motor Vehicles and Equipment	821.12	746.51	871.42	42.7	40.2	46.7	19.23	18.57	18.66
Instruments and Related Products	445.50	451.82	450.69	40.5	41.3	41.5	11.00	10.94	10.86
Measuring and Controlling Devices	436.80	458.96	451.55	40.0	41.8	41.2	10.92	10.98	10.96
Nondurable Goods[g]	448.04	449.25	435.99	40.4	40.4	40.9	11.09	11.12	10.66
Food and Kindred Products	443.91	456.65	447.60	38.5	39.4	40.0	11.53	11.59	11.19
Apparel and Other Textile Products	402.73	400.53	361.34	39.6	39.5	37.6	10.17	10.14	9.61
Paper and Allied Products	470.41	467.31	520.93	41.3	41.1	44.6	11.39	11.37	11.68
Printing and Publishing	384.25	390.66	382.60	36.7	37.1	37.4	10.47	10.53	10.23
Chemicals and Allied Products	577.49	568.23	543.58	43.0	42.5	42.5	13.43	13.37	12.79
Rubber and Miscellaneous Plastics Products	387.50	374.03	369.05	41.4	40.7	41.7	9.36	9.19	8.85
Miscellaneous Plastics Products	409.27	381.82	370.82	42.9	41.1	41.9	9.54	9.29	8.85
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	530.35	493.58	513.80	36.4	33.9	36.7	14.57	14.56	14.00
Communications, Electric, Gas Services	690.55	701.71	620.87	43.9	44.3	40.5	15.73	15.84	15.33
Wholesale Trade	476.28	475.02	458.20	39.2	39.0	39.5	12.15	12.18	11.60
Retail Trade[i]	199.47	196.75	190.72	27.4	27.1	27.6	7.28	7.26	6.91
General Merchandise Stores	199.79	200.79	187.25	28.1	28.4	27.7	7.11	7.07	6.76
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	334.71	333.69	323.57	....	....	....	.....	.....	.....
Depository Institutions	304.43	302.23	298.78	....	....	....	.....	.....	.....
Commercial Banks	284.57	287.48	290.68	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	344.23	343.17	331.22	30.9	31.0	31.1	11.14	11.07	10.65
Nursing and Personal Care Facilities	253.41	258.91	241.09	33.3	33.8	33.3	7.61	7.66	7.24
Hospitals	381.48	380.57	363.30	30.3	30.3	30.3	12.59	12.56	11.99

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

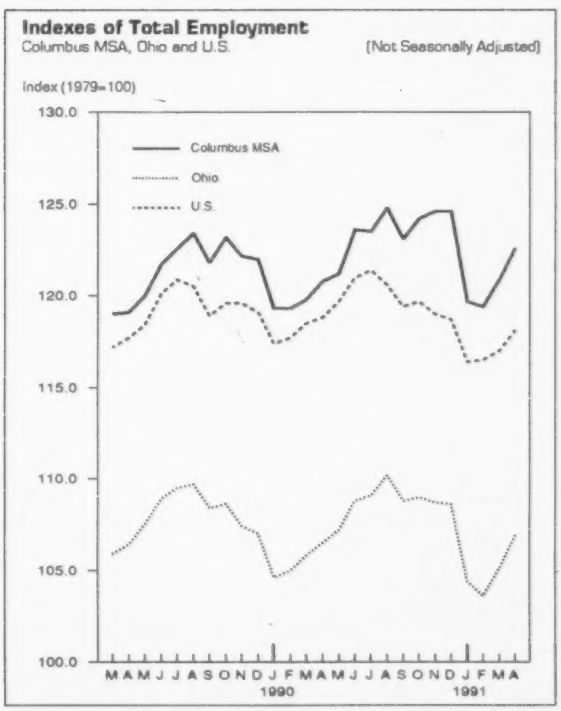
Columbus Metropolitan Statistical Area

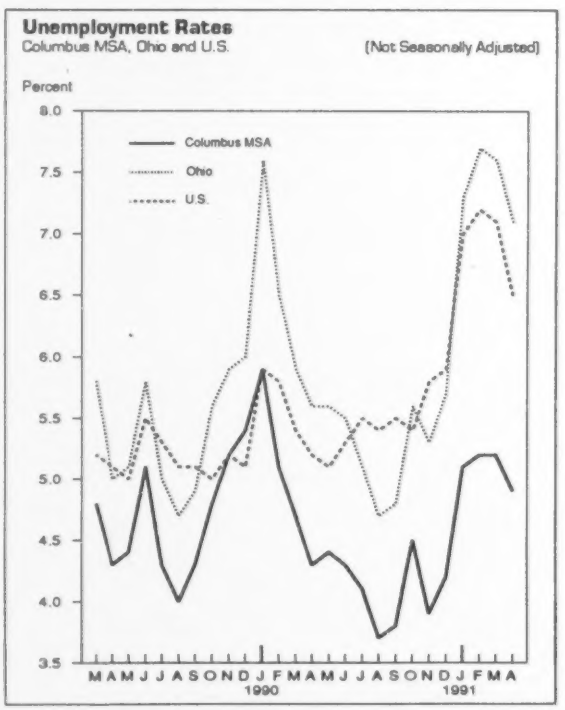


Nonagricultural payroll employment in the Columbus metropolitan area rose 6,700 above the April level to 734,200 in May 1991. Seasonal increases in retail trade and services helped add 5,000 jobs in service-producing industries. More business in construction and scattered improvements in manufacturing, especially electronic and other electric equipment and food and kindred products, raised employment in goods-producing industries 1,700 over the month to 134,600. Factory production workers averaged $12.90 per hour, unchanged from April. Their average workweek of 42.2 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 10,900 between May 1990 and May 1991. The number of jobs in the service-producing sector increased 11,100. The leading growth industry was services, most notably business services (+3,500) and health services (+2,500). Noteworthy expansion occurred in retail trade. Employment in goods-producing industries declined 100 from the year-ago level as scattered decreases in manufacturing negated slight improvements in construction. Production cutbacks in fabricated metal products, stone, clay, and glass products, and instruments and related products offset growth in food and kindred products, electronic and other electric equipment, and transportation equipment.

Seasonally adjusted employment in the Columbus area increased 2,000 from April to 732,000 in May 1991 due to gains in services and manufacturing. Since May 1990, nonfarm payroll employment advanced 11,000. Expansion in services created 10,000 jobs. Moderate growth occurred in retail trade and construction.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
733.7	698.9	34.8	4.7	1989	704.7	104.9	69.5	500.82	41.7	12.01
739.5	706.9	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
732.7	700.1	32.6	4.4	May	723.3	104.3	69.7	514.58	41.7	12.34
745.8	713.6	32.2	4.3	June	731.9	105.3	70.3	520.80	42.0	12.40
744.1	713.2	30.9	4.1	July	722.0	103.8	68.7	524.15	42.1	12.45
748.3	720.9	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
739.5	711.1	28.4	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
750.9	717.2	33.7	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
748.9	719.6	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
751.7	719.8	31.9	4.2	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
728.4	691.4	37.0	5.1	January	717.4	104.3	69.3	529.59	41.7	12.70
727.5	689.6	38.0	5.2	February	717.7	103.6	68.9	524.10	41.3	12.69
736.7	698.3	38.4	5.2	March	722.6	103.6	69.0	537.13	41.8	12.85
744.9	708.3	36.6	4.9	April	727.5	103.7	69.0	541.80	42.0	12.90
INA	INA	INA	INA	May	734.2	104.1	69.4	544.38	42.2	12.90

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
721	135	29	105	May	586	31	36	146	61	181	130
725	136	30	105	June	589	31	36	148	61	183	130
725	134	29	104	July	592	31	36	148	61	184	131
726	135	29	105	August	591	31	36	149	61	185	130
726	135	29	105	September	591	31	36	149	61	185	130
727	135	29	105	October	592	31	36	149	61	186	130
727	134	29	104	November	593	31	36	149	61	186	130
728	134	29	104	December	593	31	36	149	61	187	130
				1991							
729	135	29	105	January	594	31	36	149	61	187	130
729	134	29	105	February	595	31	36	148	61	188	131
731	135	30	104	March	596	31	36	149	61	189	130
730	135	30	104	April	595	31	36	148	61	190	130
732	135	30	105	May	597	31	36	148	61	191	130

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	734.2	727.5	723.3	6.7	10.9
Goods-Producing Industries[e]	134.6	132.9	134.7	1.7	-.1
Construction	29.5	28.3	29.5	1.3	.1
Manufacturing	104.1	103.7	104.3	.5	-.2
Durable Goods[f]	65.6	65.2	66.2	.3	-.6
Stone, Clay, and Glass Products	9.1	9.1	9.5	.0	-.4
Glass and Glassware, Pressed or Blown	3.6	3.6	3.6	.0	.0
Fabricated Metal Products	9.1	9.2	9.8	-.1	-.7
Industrial Machinery and Equipment	9.6	9.7	9.9	-.1	-.3
Electronic and Other Electric Equipment	10.1	9.8	9.5	.3	.5
Transportation Equipment	15.7	15.7	15.2	.1	.5
Motor Vehicles and Equipment	14.0	13.9	13.6	.1	.4
Instruments and Related Products	4.1	4.0	4.5	.1	-.4
Nondurable Goods[g]	38.6	38.4	38.1	.1	.4
Food and Kindred Products	11.0	10.9	10.4	.2	.7
Dairy Products	4.2	4.1	3.8	.0	.4
Printing and Publishing	10.8	10.8	10.6	.0	.3
Chemicals and Allied Products	6.6	6.6	6.9	.0	-.3
Rubber and Miscellaneous Plastics Products	6.1	6.0	6.0	.1	.1
Service-Producing Industries	599.7	594.7	588.6	5.0	11.1
Transportation and Public Utilities	30.7	30.5	30.7	.2	-.1
Transportation	17.9	17.7	18.0	.2	-.1
Trucking and Warehousing	12.9	12.7	12.7	.1	.1
Communications, Electric, Gas Services	12.8	12.8	12.7	.0	.0
Communications	8.0	8.0	8.0	.0	.1
Electric, Gas, and Sanitary Services	4.7	4.8	4.8	.0	.0
Wholesale Trade	36.2	35.9	36.3	.3	-.1
Wholesale Trade-Durable Goods	22.7	22.5	23.0	.2	-.3
Motor Vehicles, Parts, and Supplies	3.1	3.0	3.1	.1	.0
Machinery, Equipment, and Supplies	4.9	4.9	5.3	.0	-.4
Wholesale Trade-Nondurable Goods	13.4	13.4	13.2	.1	.2
Retail Trade	147.6	145.7	146.1	1.9	1.5
General Merchandise Stores	20.4	20.4	20.6	.0	-.1
Food Stores	16.1	16.1	16.4	-.1	-.3
Automotive Dealers and Service Stations	14.2	14.0	14.1	.2	.1
Finance, Insurance, and Real Estate	61.0	60.8	60.6	.2	.4
Finance	24.1	24.1	24.3	.0	-.2
Depository Institutions	13.4	13.4	13.8	.0	-.4
Commercial Banks	11.3	11.3	11.4	.0	-.1
Insurance	27.1	27.0	26.9	.1	.2
Insurance Carriers	23.0	23.0	23.0	.0	.0
Services	191.3	189.7	181.7	1.7	9.6
Business Services	44.9	44.0	41.4	.9	3.5
Personnel Supply Services	18.6	18.0	16.2	.6	2.4
Health Services	48.1	47.9	45.7	.2	2.5
Nursing and Personal Care Facilities	8.7	8.6	8.2	.1	.5
Hospitals	22.3	22.3	21.3	.0	1.0
Legal Services	4.6	4.6	4.5	.1	.1
Educational Services	7.5	8.2	7.2	-.8	.3
Social Services	13.8	13.8	13.0	.0	.8
Engineering and Management Services	18.8	18.7	18.1	.1	.7
Engineering and Architectural Services	5.3	5.2	4.8	.1	.5
Accounting, Auditing, and Bookkeeping	4.0	4.0	3.9	.0	.1
Research and Testing Services	5.8	5.7	5.8	.1	.0
Government	132.9	132.1	133.2	.9	-.3
Federal Government	15.6	15.5	19.1	.0	-3.6
State Government	58.2	58.0	56.9	.1	1.2
State Government Education[h]	24.9	24.9	23.9	.0	1.1
Local Government	59.2	58.5	57.2	.7	2.1
Local Government Education	36.4	36.0	34.8	.4	1.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

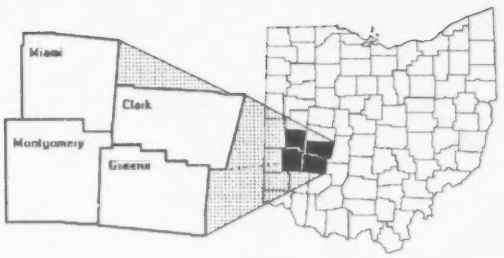
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$544.38	$541.80	$514.58	42.2	42.0	41.7	$12.90	$12.90	$12.34
Durable Goods[f]	567.14	561.47	530.04	42.9	42.6	41.9	13.22	13.18	12.65
Stone, Clay, and Glass Products	548.75	550.44	513.40	43.9	44.0	42.5	12.50	12.51	12.08
Glass and Glassware, Pressed or Blown	475.69	477.02	453.06	41.4	41.3	41.3	11.49	11.55	10.97
Fabricated Metal Products	561.61	543.75	538.86	42.1	41.1	42.0	13.34	13.23	12.83
Industrial Machinery and Equipment	515.82	527.09	494.36	41.2	42.1	41.3	12.52	12.52	11.97
Electronic and Other Electric Equipment	552.55	573.78	489.64	42.9	43.7	40.6	12.88	13.13	12.06
Transportation Equipment	697.84	662.01	631.75	45.7	43.9	43.3	15.27	15.08	14.59
Motor Vehicles and Equipment	710.07	673.85	635.21	45.9	44.1	43.3	15.47	15.28	14.67
Instruments and Related Products	431.03	418.73	420.69	39.8	38.7	39.8	10.83	10.82	10.57
Nondurable Goods[g]	497.76	503.89	482.45	40.6	40.9	41.2	12.26	12.32	11.71
Food and Kindred Products	444.44	452.61	426.62	41.0	41.6	41.1	10.84	10.88	10.38
Dairy Products	607.19	647.92	597.08	42.7	44.5	44.0	14.22	14.56	13.57
Printing and Publishing	581.33	583.47	553.02	39.6	39.8	39.7	14.68	14.66	13.93
Chemicals and Allied Products	639.32	669.24	629.64	41.3	42.9	42.4	15.48	15.60	14.85
Rubber and Miscellaneous Plastics Products	398.13	395.76	398.58	41.3	40.8	42.0	9.64	9.70	9.49
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	444.32	442.96	459.55	34.1	34.1	35.0	13.03	12.99	13.13
Communications, Electric, Gas Services	685.08	694.18	671.00	44.0	44.3	43.6	15.57	15.67	15.39
Communications	693.95	698.20	576.92	44.8	44.9	39.3	15.49	15.55	14.68
Electric, Gas, and Sanitary Services	670.39	686.02	827.42	42.7	43.2	50.7	15.70	15.88	16.32
Wholesale Trade	419.22	412.44	401.10	39.4	38.8	38.2	10.64	10.63	10.50
Retail Trade[i]	188.19	186.53	181.55	27.0	26.8	27.3	6.97	6.96	6.65
General Merchandise Stores	230.01	229.54	201.92	29.3	28.8	28.4	7.85	7.97	7.11
Food Stores	191.62	194.64	187.60	26.8	26.7	26.8	7.15	7.29	7.00
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	490.25	493.98	455.10	....	....	....	.....	.....	.....
Depository Institutions	304.77	302.47	294.57	....	....	....	.....	.....	.....
Commercial Banks	304.55	303.67	290.78	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	246.49	248.21	228.40	31.4	31.7	31.9	7.85	7.83	7.16
Hospitals	395.61	388.44	406.64	33.9	33.2	34.2	11.67	11.70	11.89
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	528.19	533.41	509.67	39.3	39.6	40.1	13.44	13.47	12.71

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

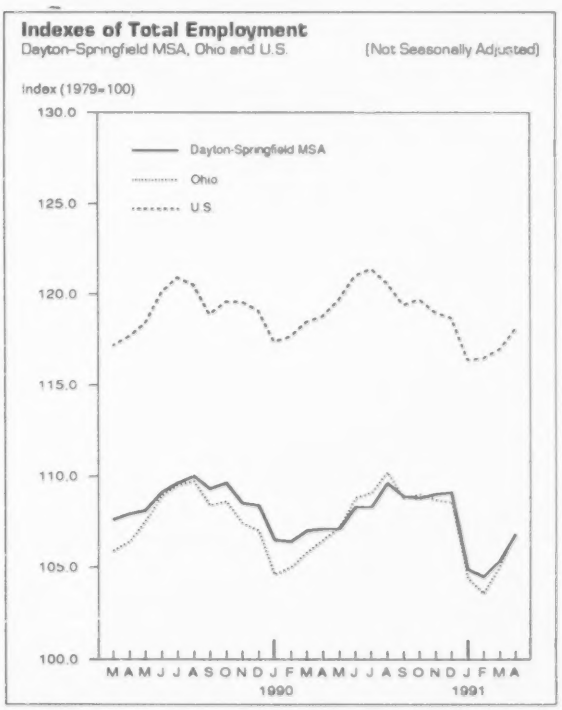
Dayton-Springfield Metropolitan Statistical Area

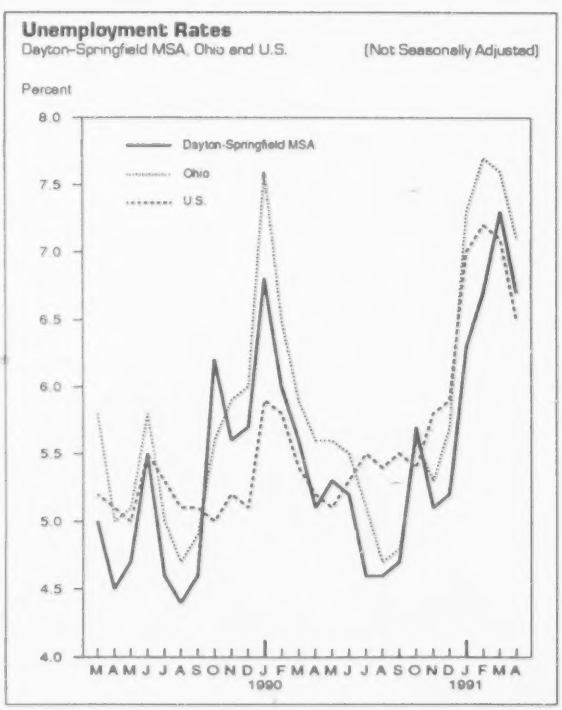


In the Dayton-Springfield metropolitan area, nonfarm payroll employment increased 2,100 from the April level to 451,800 in May 1991. Seasonal increases in retail trade helped raise employment in service-producing industries 1,400. The number of jobs in goods-producing industries totaled 113,700, up 700 over the month, mainly due to more business in construction. Manufacturing employment was unchanged as improvements in transportation equipment and food and kindred products offset declines in industrial machinery and equipment and paper and allied products. Factory production workers averaged $13.65 per hour, 6 cents higher than April. Their average workweek of 41.7 hours was 0.3 hours longer.

Nonagricultural wage and salary employment fell 2,100 between May 1990 and May 1991. Over-the-year cutbacks in durable-goods manufacturing and declines in construction dropped employment in goods-producing industries 6,400. Industrial machinery and equipment lost 3,300 jobs during the period. Noteworthy reductions were posted in transportation equipment and fabricated metal products. Employment in service-producing industries advanced 4,400 from the year-ago level. Expansion in services, especially health and business services, and in retail trade outweighed a decline in federal government.

Seasonally adjusted employment in the Dayton-Springfield area increased 1,000 from April to 451,000 in May 1991 due to more business in services. Since May 1990, nonfarm payroll employment declined 2,000. Reductions in manufacturing and government more than offset growth in services, transportation and public utilities, retail trade, and finance, insurance, and real estate.





Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.2	453.8	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
476.8	451.5	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
472.5	447.6	24.9	5.3	May	453.9	103.3	67.1	583.08	43.0	13.56
477.8	452.8	25.0	5.2	June	455.3	104.3	67.8	605.68	43.7	13.86
474.5	452.6	21.9	4.6	July	449.6	103.9	67.0	570.54	42.2	13.52
480.1	458.0	22.1	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
477.3	455.0	22.3	4.7	September	456.3	103.2	66.9	590.04	43.1	13.69
482.1	454.7	27.4	5.7	October	456.4	102.6	66.8	580.98	42.5	13.67
480.2	455.8	24.4	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
480.9	456.0	24.9	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
468.2	438.6	29.6	6.3	January	445.6	100.1	64.6	562.51	41.3	13.62
468.1	436.7	31.4	6.7	February	445.1	98.7	63.3	545.66	40.6	13.44
475.2	440.5	34.7	7.3	March	446.0	96.9	61.6	551.86	41.0	13.46
478.5	446.6	31.9	6.7	April	449.7	97.4	62.1	562.63	41.4	13.59
INA	INA	INA	INA	May	451.8	97.4	62.2	569.21	41.7	13.65

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
453	120	16	103	May	333	18	20	82	17	118	78
453	120	16	104	June	333	18	20	82	17	118	77
453	120	16	103	July	333	18	20	82	17	118	77
453	119	16	103	August	334	18	20	82	17	118	78
452	118	16	102	September	334	19	20	82	17	119	77
452	118	15	102	October	334	18	20	82	17	119	77
452	117	15	101	November	334	19	20	82	17	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
451	117	15	101	January	334	18	20	83	18	119	77
452	116	16	100	February	336	18	20	83	18	120	77
450	114	16	98	March	336	19	20	83	18	120	77
450	114	16	98	April	336	19	20	83	18	120	76
451	114	16	98	May	337	19	20	83	18	121	76

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	451.8	449.7	453.9	2.1	-2.1
Goods-Producing Industries[e]	113.7	113.0	120.1	.7	-6.4
Construction	15.8	15.1	16.4	.7	-.5
Manufacturing	97.4	97.4	103.3	.0	-5.9
Durable Goods[f]	68.5	68.5	74.2	.0	-5.8
Fabricated Metal Products	7.7	7.6	8.4	.1	-.7
Industrial Machinery and Equipment	27.9	28.2	31.2	-.3	-3.3
Metalworking Machinery	7.6	7.7	8.4	-.1	-.9
General Industrial Machinery	2.7	2.8	2.9	.0	-.1
Electronic and Other Electric Equipment	3.4	3.4	3.5	.0	-.1
Transportation Equipment	20.8	20.6	21.8	.2	-.9
Motor Vehicles and Equipment	18.1	17.8	18.6	.3	-.5
Nondurable Goods[g]	29.0	28.9	29.1	.0	-.1
Food and Kindred Products	2.8	2.7	2.5	.1	.3
Paper and Allied Products	6.3	6.4	6.2	-.1	.0
Printing and Publishing	8.6	8.6	8.9	.0	-.3
Rubber and Miscellaneous Plastics Products	7.5	7.5	7.8	.0	-.3
Service-Producing Industries	338.1	336.7	333.8	1.4	4.4
Transportation and Public Utilities	18.8	18.6	18.2	.2	.6
Transportation	12.3	12.1	11.9	.2	.4
Trucking and Warehousing	6.0	5.9	6.0	.1	-.1
Communications, Electric, Gas Services	6.5	6.5	6.4	.0	.2
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	20.0	19.8	20.2	.2	-.2
Wholesale Trade-Durable Goods	13.5	13.5	13.8	.1	-.3
Wholesale Trade-Nondurable Goods	6.5	6.4	6.4	.1	.1
Retail Trade	83.4	82.3	82.1	1.1	1.3
General Merchandise Stores	12.6	12.6	12.6	.1	.0
Finance, Insurance, and Real Estate	17.7	17.6	17.3	.1	.5
Finance	9.6	9.6	9.4	.0	.2
Depository Institutions	7.4	7.4	7.2	.0	.2
Insurance	4.6	4.6	4.3	.0	.3
Services	120.2	120.6	116.9	-.3	3.3
Business Services	24.7	24.1	23.5	.6	1.2
Personnel Supply Services	7.5	7.0	6.8	.5	.7
Computer and Data Processing Services	6.1	6.1	5.7	.1	.4
Health Services	39.8	39.6	38.5	.2	1.3
Nursing and Personal Care Facilities	7.1	7.0	6.9	.1	.2
Hospitals	20.0	20.0	19.5	.0	.5
Educational Services	7.6	9.2	7.6	-1.6	.1
Social Services	6.6	6.6	6.3	.0	.3
Engineering and Management Services	10.3	10.5	10.4	-.1	-.1
Research and Testing Services	3.1	3.1	3.2	.0	-.1
Government	77.9	77.8	79.1	.2	-1.2
Federal Government	28.2	28.2	30.0	.0	-1.9
State Government	7.4	7.6	7.4	-.2	.0
State Government Education[h]	4.6	4.7	4.5	-.2	.1
Local Government	42.3	42.0	41.7	.3	.7
Local Government Education	26.6	26.4	26.0	.2	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

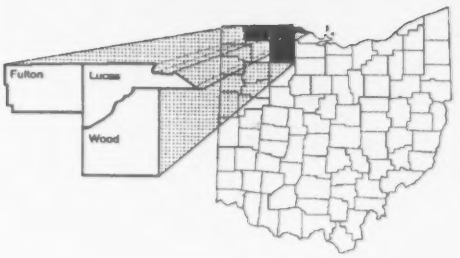
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$569.21	$562.63	$583.08	41.7	41.4	43.0	$13.65	$13.59	$13.56
Durable Goods[f]	592.07	584.92	602.30	42.2	41.9	43.3	14.03	13.96	13.91
Fabricated Metal Products	409.18	395.41	425.27	41.0	39.9	42.4	9.98	9.91	10.03
Industrial Machinery and Equipment	646.65	642.10	616.50	44.2	44.1	43.6	14.63	14.56	14.14
Metalworking Machinery	577.19	571.97	587.38	43.3	43.2	44.6	13.33	13.24	13.17
General Industrial Machinery	559.06	578.00	527.91	45.6	46.5	44.7	12.26	12.43	11.81
Electronic and Other Electric Equipment	371.46	374.53	371.32	41.0	41.8	42.1	9.06	8.96	8.82
Transportation Equipment	708.64	699.72	760.63	41.2	40.8	44.3	17.20	17.15	17.17
Motor Vehicles and Equipment	719.66	709.28	774.78	41.1	40.6	44.4	17.51	17.47	17.45
Nondurable Goods[g]	514.04	503.20	525.83	40.7	40.0	42.1	12.63	12.58	12.49
Food and Kindred Products	368.99	345.14	358.35	41.6	39.4	40.4	8.87	8.76	8.87
Paper and Allied Products	511.34	495.81	529.62	42.4	41.7	45.5	12.06	11.89	11.64
Printing and Publishing	469.20	457.34	462.55	39.1	38.4	39.5	12.00	11.91	11.71
Rubber and Miscellaneous Plastics Products	643.40	641.63	675.26	39.4	39.1	41.3	16.33	16.41	16.35
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	615.91	604.03	556.61	41.7	41.4	39.9	14.77	14.59	13.95
Communications	649.89	643.38	559.99	42.7	42.3	39.8	15.22	15.21	14.07
Wholesale Trade	387.61	395.07	390.43	38.8	39.0	39.2	9.99	10.13	9.96
Retail Trade[i]	184.88	182.09	176.42	28.4	27.8	28.5	6.51	6.55	6.19
General Merchandise Stores	203.64	201.63	180.14	29.3	28.6	27.8	6.95	7.05	6.48
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	293.19	285.45	271.35	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	427.61	426.42	410.74	34.1	34.5	34.2	12.54	12.36	12.01

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

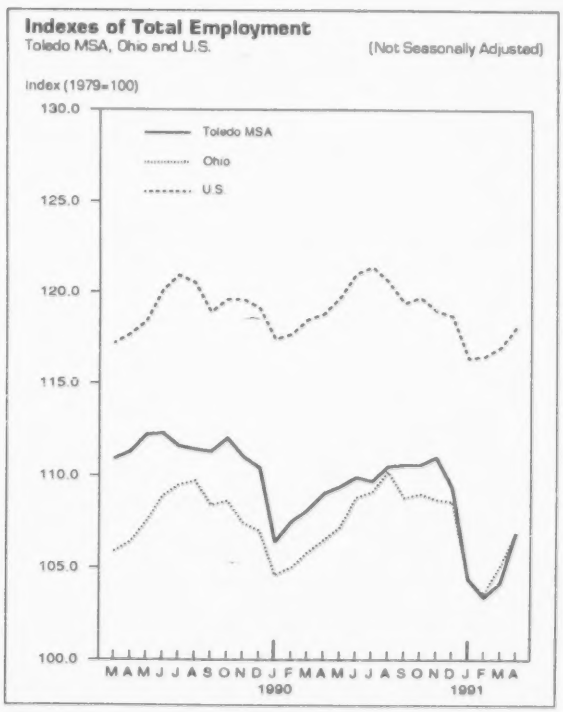
Toledo
Metropolitan Statistical Area

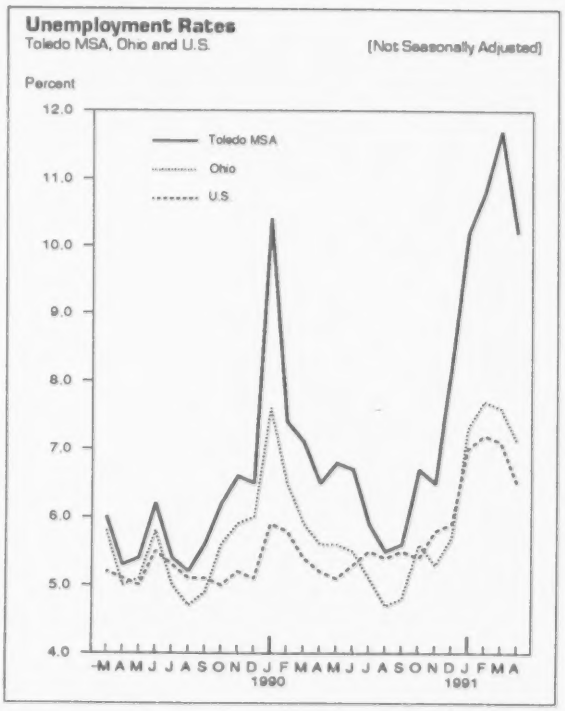


Nonfarm payroll employment in the Toledo metropolitan area rose 2,800 above the April level to 288,500 in May 1991. More business in retail trade and services helped increase employment in the service-producing sector 2,000. Seasonal gains in construction and nominal improvements in manufacturing, particularly fabricated metal products and rubber and miscellaneous plastics products, raised employment in goods-producing industries 800 over the month to 65,100. Factory production workers averaged $13.57 per hour, fractionally higher than April. Their average workweek of 42.8 hours was 0.6 hours longer.

Nonagricultural wage and salary employment dropped 5,500 between May 1990 and May 1991. Significant over-the-year reductions among manufacturers of durable goods, especially transportation equipment (-5,000), and declines in construction lowered employment in goods-producing industries 7,300. Noteworthy cutbacks occurred in stone, clay, and glass products and in fabricated metal products. Employment in service-producing industries advanced 1,800 during the period. Expansion in services, notably health services, overshadowed declines in federal government and retail trade.

Seasonally adjusted employment in the Toledo area totaled 286,000 in May 1991, unchanged from April. Since May 1990, nonfarm payroll employment fell 6,000. A significant decline in manufacturing and modest decreases in construction, retail trade, and government overshadowed growth in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
316.2	297.4	18.8	6.0	1989	291.9	61.5	43.9	576.81	43.5	13.26
313.9	292.1	21.8	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
313.5	292.2	21.2	6.8	May	294.0	60.0	43.2	589.37	43.4	13.58
314.9	293.7	21.2	6.7	June	293.1	60.7	43.7	585.90	43.4	13.50
311.6	293.1	18.5	5.9	July	288.9	60.4	43.4	576.09	42.8	13.46
312.3	295.2	17.1	5.5	August	288.4	60.4	43.5	584.87	43.1	13.57
312.9	295.4	17.5	5.6	September	294.4	61.1	44.2	610.94	44.4	13.76
316.7	295.4	21.2	6.7	October	294.8	59.5	42.8	585.30	43.1	13.58
317.3	296.6	20.7	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
318.4	292.3	26.1	8.2	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
310.7	279.0	31.7	10.2	January	281.7	53.9	37.2	566.95	42.5	13.34
309.6	276.2	33.4	10.8	February	280.0	52.9	36.2	561.26	42.2	13.30
315.2	278.4	36.8	11.7	March	280.4	50.1	33.5	549.87	42.2	13.03
318.3	285.7	32.6	10.2	April	285.7	53.1	36.5	570.97	42.2	13.53
INA	INA	INA	INA	May	288.5	53.3	36.7	580.80	42.8	13.57

INA -- Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
292	72	12	60	May	219	15	15	57	12	76	45
292	72	12	60	June	220	15	15	57	12	76	44
292	72	12	60	July	220	15	15	57	12	77	44
292	72	12	60	August	220	15	15	57	12	77	44
291	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	220	15	15	57	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
287	67	11	56	December	220	15	15	56	12	78	44
				1991							
287	66	11	55	January	221	15	15	56	12	78	44
285	65	11	54	February	220	15	15	56	12	78	43
283	62	11	51	March	221	15	15	56	12	79	44
286	65	11	53	April	221	15	15	56	12	79	44
286	65	11	53	May	221	15	15	56	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	288.5	285.7	294.0	2.8	-5.5
Goods-Producing Industries[e]	65.1	64.3	72.4	.8	-7.3
Construction	11.6	11.1	12.1	.5	-.5
Manufacturing	53.3	53.1	60.0	.2	-6.7
Durable Goods[f]	38.6	38.6	44.9	.0	-6.3
Stone, Clay, and Glass Products	7.4	7.5	8.3	-.1	-.9
Primary Metal Industries	3.0	3.0	3.1	.0	-.1
Fabricated Metal Products	6.2	6.0	6.7	.2	-.5
Metal Forgings and Stampings	2.3	2.3	2.6	.0	-.3
Industrial Machinery and Equipment	5.6	5.6	5.6	.0	.1
Transportation Equipment	9.2	9.2	14.3	.0	-5.1
Nondurable Goods[g]	14.7	14.5	15.1	.2	-.4
Food and Kindred Products	3.6	3.6	3.8	.0	-.2
Rubber and Miscellaneous Plastics Products	3.7	3.6	3.8	.2	.0
Service-Producing Industries	223.4	221.4	221.6	2.0	1.8
Transportation and Public Utilities	14.7	14.5	14.7	.2	.0
Transportation	9.9	9.7	10.1	.3	-.1
Communications, Electric, Gas Services	4.8	4.8	4.7	-.1	.1
Wholesale Trade	15.2	15.1	15.3	.1	-.2
Wholesale Trade-Durable Goods	9.8	9.8	9.9	.1	-.1
Wholesale Trade-Nondurable Goods	5.4	5.3	5.4	.0	-.1
Retail Trade	56.2	55.4	56.8	.8	-.6
General Merchandise Stores	8.2	8.2	8.5	.0	-.3
Finance, Insurance, and Real Estate	12.2	12.0	12.1	.2	.1
Finance	6.2	6.2	6.2	.0	.0
Insurance	3.8	3.7	3.8	.1	.0
Services	79.4	78.9	76.3	.5	3.1
Business Services	12.8	12.6	12.7	.3	.1
Personnel Supply Services	4.9	4.6	4.7	.3	.2
Health Services	28.9	28.8	27.7	.1	1.2
Nursing and Personal Care Facilities	4.1	4.1	4.0	.0	.1
Hospitals	15.6	15.5	15.2	.0	.4
Engineering and Management Services	6.2	6.2	5.9	.0	.3
Government	45.7	45.5	46.4	.2	-.7
Federal Government	2.4	2.4	3.2	.0	-.8
State Government	17.6	17.7	17.4	-.1	.3
State Government Education[h]	13.3	13.4	13.0	-.1	.4
Local Government	25.7	25.4	25.8	.3	-.1
Local Government Education	15.2	15.0	15.1	.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

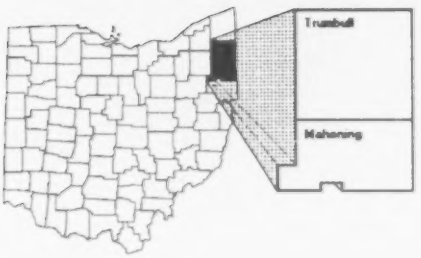
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$580.80	$570.97	$589.37	42.8	42.2	43.4	$13.57	$13.53	$13.58
Durable Goods[f]	576.73	576.03	601.68	42.5	42.2	43.6	13.57	13.65	13.80
Stone, Clay, and Glass Products	521.59	526.58	548.23	41.2	41.3	43.1	12.66	12.75	12.72
Primary Metal Industries	550.69	501.76	550.14	45.7	42.2	46.9	12.05	11.89	11.73
Fabricated Metal Products	525.10	540.18	523.18	42.9	42.4	44.3	12.24	12.74	11.81
Metal Forgings and Stampings	698.89	763.00	730.97	41.9	43.8	44.9	16.68	17.42	16.28
Industrial Machinery and Equipment	469.65	475.19	487.47	39.7	40.1	41.7	11.83	11.85	11.69
Transportation Equipment	765.00	762.13	767.80	42.5	42.2	43.6	18.00	18.06	17.61
Nondurable Goods[g]	589.86	553.14	550.41	43.5	42.0	42.8	13.56	13.17	12.86
Food and Kindred Products	804.91	642.19	615.53	49.2	43.1	43.5	16.36	14.90	14.15
Rubber and Miscellaneous Plastics Products	359.01	356.38	376.82	41.6	41.2	41.5	8.63	8.65	9.08
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	665.69	673.96	652.80	42.7	42.9	41.9	15.59	15.71	15.58
Wholesale Trade	431.98	430.94	416.52	40.6	40.2	40.4	10.64	10.72	10.31
Retail Trade[i]	175.07	172.48	164.77	27.1	26.7	27.1	6.46	6.46	6.08
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	349.34	350.79	352.34	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

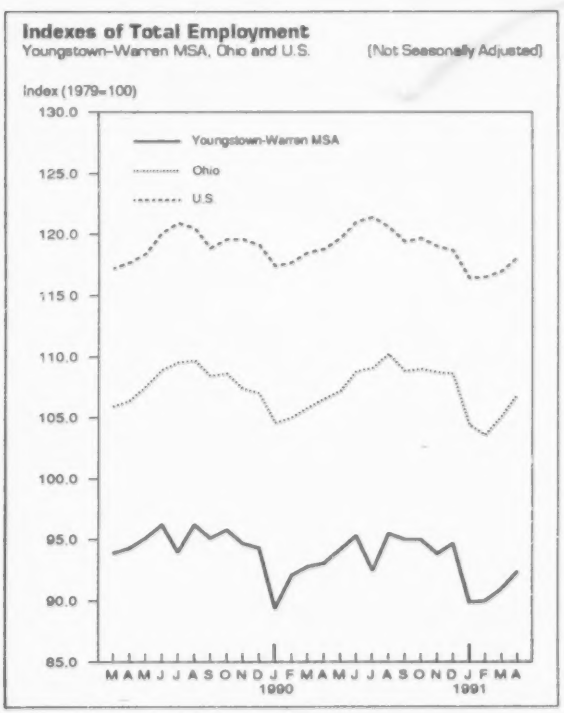
Youngstown-Warren Metropolitan Statistical Area

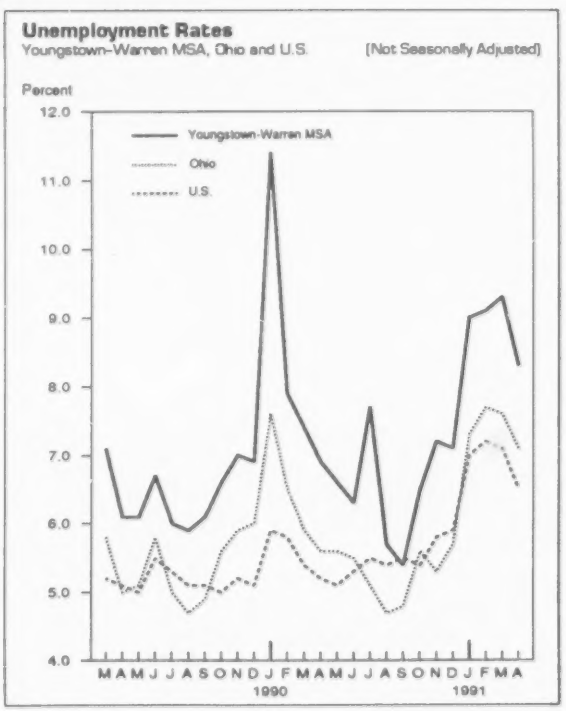


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 3,400 above the April level to 199,800 in May 1991. The return of nonteaching personnel in state and local schools and colleges and seasonal gains in services and retail trade increased employment in the service-producing sector 2,500. More business in construction and scattered improvements among manufacturers of durable and nondurable goods raised employment in goods-producing industries 900 over the month to 56,200. Factory production workers averaged $15.20 per hour, down slightly from April. Their average workweek remained at 41.2 hours.

Nonfarm wage and salary employment dropped 1,500 between May 1990 and May 1991. Scattered production cutbacks in durable-goods manufacturing and declines in construction negated modest growth in nondurable goods, lowering employment in goods-producing industries 2,300. Reductions were posted in primary metal industries, transportation equipment, industrial machinery and equipment, and fabricated metal products. Employment in service-producing industries increased 800 over the year as growth in services outweighed decreases in transportation and public utilities.

Seasonally adjusted employment in the Youngstown-Warren area increased 1,000 from April to 198,000 in May 1991 mainly due to a nominal gain in government. Since May 1990, nonfarm payroll employment declined 1,000. Scattered growth, primarily in services, more than offset a decrease in manufacturing.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.2	208.4	14.9	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
221.8	205.9	15.9	7.2	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
221.8	207.2	14.7	6.6	May	201.3	49.8	37.5	628.72	43.3	14.52
223.7	209.6	14.1	6.3	June	202.0	50.5	38.1	636.08	43.3	14.69
220.2	203.3	16.9	7.7	July	193.4	43.9	31.4	604.56	42.1	14.36
222.8	210.0	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
220.9	209.0	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
223.3	208.8	14.5	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
222.4	206.4	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
224.3	208.3	16.0	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
217.4	197.8	19.6	9.0	January	192.7	46.3	34.0	655.19	42.6	15.38
217.8	197.9	19.9	9.1	February	193.7	47.5	35.2	645.54	42.0	15.37
220.6	200.0	20.6	9.3	March	194.5	47.0	34.8	651.42	42.3	15.40
221.6	203.2	18.3	8.3	April	196.4	47.6	35.4	627.06	41.2	15.22
INA	INA	INA	INA	May	199.8	48.0	35.9	626.24	41.2	15.20

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
199	58	8	49	May	141	7	11	42	8	48	25
199	58	8	50	June	141	7	11	42	8	48	24
195	54	8	45	July	141	7	11	42	8	48	24
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	48	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
197	55	8	47	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
198	56	8	48	January	142	7	11	42	8	48	24
198	56	8	48	February	142	7	11	42	8	48	24
197	55	8	47	March	142	7	11	42	8	48	24
197	56	8	48	April	141	7	11	42	8	49	24
198	56	8	48	May	142	7	11	42	8	49	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	199.8	196.4	201.3	3.4	-1.5
Goods-Producing Industries[e]	56.2	55.2	58.5	.9	-2.3
Construction	7.7	7.2	8.3	.5	-.5
Manufacturing	48.0	47.6	49.8	.4	-1.8
Durable Goods[f]	42.4	42.1	44.5	.2	-2.1
Primary Metal Industries	17.8	17.8	18.8	-.1	-1.0
Blast Furnace and Basic Steel Products	6.4	6.6	6.4	-.1	.0
Fabricated Metal Products	7.1	7.0	7.3	.1	-.2
Metal Forgings and Stampings	3.8	3.7	3.8	.1	.0
Industrial Machinery and Equipment	4.0	4.1	4.3	.0	-.3
Transportation Equipment	8.7	8.6	9.1	.1	-.4
Nondurable Goods[g]	5.7	5.5	5.4	.2	.3
Service-Producing Industries	143.7	141.2	142.8	2.5	.8
Transportation and Public Utilities	7.0	7.0	7.4	.1	-.3
Wholesale Trade	11.4	11.2	11.4	.1	.0
Wholesale Trade-Durable Goods	6.6	6.4	6.8	.2	-.2
Wholesale Trade-Nondurable Goods	4.8	4.8	4.6	.0	.2
Retail Trade	42.2	41.7	42.1	.5	.1
General Merchandise Stores	5.3	5.2	5.6	.1	-.4
Finance, Insurance, and Real Estate	8.4	8.3	8.4	.1	.0
Finance	4.8	4.7	4.7	.0	.1
Services	49.2	48.5	48.0	.7	1.1
Health Services	21.6	21.6	21.3	.1	.4
Nursing and Personal Care Facilities	5.1	5.0	5.0	.1	.0
Hospitals	10.7	10.7	10.6	.0	.0
Government	25.5	24.5	25.6	1.1	.0
State Government	4.6	4.2	4.6	.4	.0
State Government Education[h]	3.2	2.8	3.1	.4	.0
Local Government	18.9	18.2	18.4	.7	.5
Local Government Education	12.0	11.6	11.6	.4	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

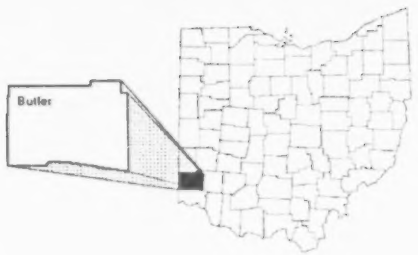
Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$626.24	$627.06	$628.72	41.2	41.2	43.3	$15.20	$15.22	$14.52
Durable Goods[f]	641.98	645.11	645.36	41.1	41.3	43.4	15.62	15.62	14.87
Primary Metal Industries	630.83	635.60	695.70	39.6	40.0	43.4	15.93	15.89	16.03
Blast Furnace and Basic Steel Products	618.79	642.34	660.15	43.7	44.7	46.1	14.16	14.37	14.32
Fabricated Metal Products	643.30	658.47	650.51	41.8	42.4	45.3	15.39	15.53	14.36
Metal Forgings and Stampings	769.86	802.47	791.11	42.0	43.4	47.6	18.33	18.49	16.62
Industrial Machinery and Equipment	485.10	486.25	510.02	39.6	39.5	41.6	12.25	12.31	12.26
Transportation Equipment	796.45	790.24	696.69	44.1	44.0	43.9	18.06	17.96	15.87
Nondurable Goods[g]	476.94	456.65	462.67	41.8	40.7	42.8	11.41	11.22	10.81
Wholesale Trade	389.79	388.50	381.92	37.3	37.5	38.5	10.45	10.36	9.92
Retail Trade[i]	185.91	184.92	182.56	27.1	26.8	28.0	6.86	6.90	6.52
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	232.65	232.97	228.98	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

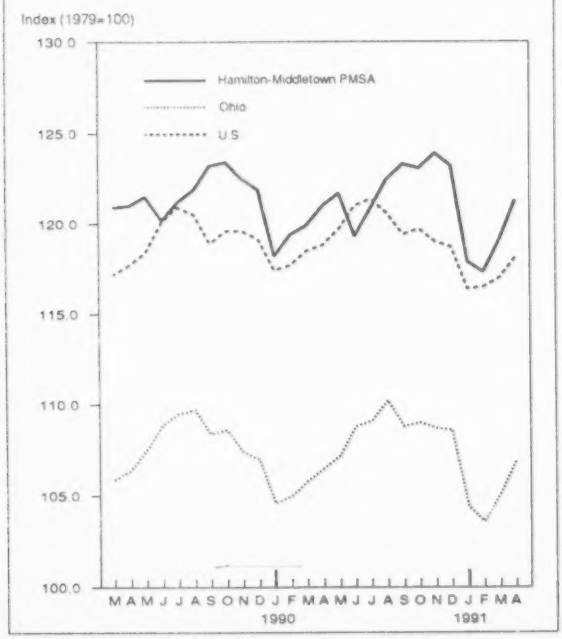
Hamilton-Middletown Primary Metropolitan Statistical Area



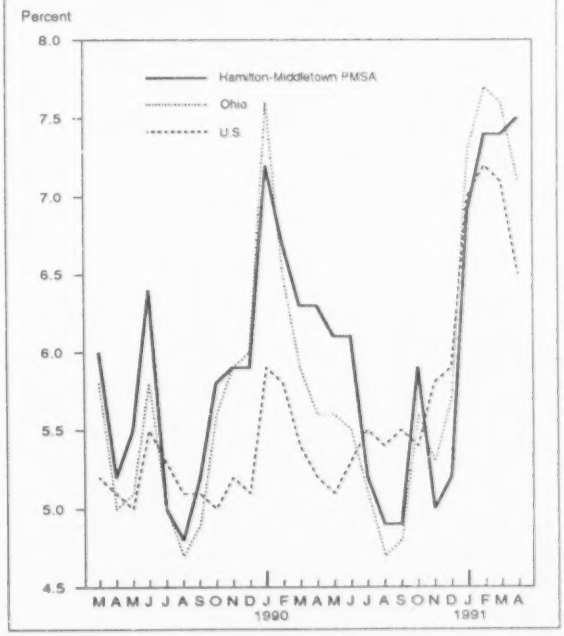
In the Hamilton-Middletown metropolitan area, nonagricultural payroll employment rose 700 above the April level to 97,900 in May 1991. Growth in services and retail trade raised employment in service-producing industries 500. Employment in goods-producing industries, at 26,300, gained 200 over the month. Seasonal increases in construction and mining overshadowed decreases in durable-goods manufacturing, mainly primary metal industries. Factory production workers averaged $14.79 per hour, up 12 cents from April. Their average workweek was 0.2 hours longer at 45.9 hours.

Nonfarm wage and salary employment advanced 600 between May 1990 and May 1991. The service-producing sector added 1,400 jobs over the year due to expansion in local and state government and in services, particularly health services. Production cutbacks among manufacturers of durable and nondurable goods and slight declines in construction and mining lowered employment in goods-producing industries 800. Reductions occurred in fabricated metal products, paper and allied products, and industrial machinery and equipment.

Indexes of Total Employment
Hamilton-Middletown PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Hamilton-Middletown PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	134.7	132.1	132.6	2.5	2.1
Employment	124.6	122.3	124.3	2.3	.3
Unemployment	10.1	9.8	8.3	.3	1.8
Unemployment Rate	7.5	7.4	6.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	97.9	97.2	97.3	.7	.6
Goods–Producing Industries	26.3	26.1	27.1	.2	-.8
Construction and Mining	5.8	5.6	5.9	.3	-.1
Manufacturing	20.4	20.5	21.2	-.1	-.7
Durable Goods	14.2	14.2	14.8	-.1	-.6
Primary Metal Industries	6.3	6.4	6.3	-.1	.0
Fabricated Metal Products	2.3	2.3	2.6	.0	-.2
Industrial Machinery and Equipment	2.3	2.3	2.5	.0	-.1
Nondurable Goods	6.2	6.2	6.3	.0	-.1
Paper and Allied Products	4.4	4.4	4.5	.0	-.2
Paper Mills	3.2	3.2	3.4	.0	-.2
Service–Producing Industries	71.6	71.1	70.2	.5	1.4
Transportation and Public Utilities	3.3	3.3	3.3	.0	.1
Wholesale Trade	5.8	5.8	5.9	.0	.0
Wholesale Trade–Durable Goods	4.0	3.9	4.0	.0	.0
Retail Trade	18.0	17.8	18.1	.2	-.1
Food Stores	3.4	3.4	3.4	.0	.0
Finance, Insurance, and Real Estate	4.5	4.5	4.6	.0	-.1
Services	20.3	20.0	19.7	.3	.6
Health Services	9.1	9.1	8.5	.0	.6
Government	19.7	19.7	18.7	-.1	1.0
State Government (Includes Education)	7.9	8.2	7.5	-.3	.4
Local Government	11.1	10.9	10.2	.2	.9
Local Government Education	7.6	7.4	6.7	.2	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

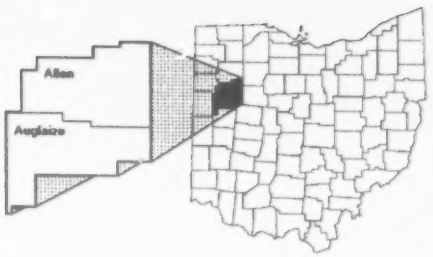
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$678.86	$670.42	$632.04	45.9	45.7	45.8	$14.79	$14.67	$13.80
Durable Goods	708.99	694.60	652.81	46.4	46.0	46.2	15.28	15.10	14.13
Primary Metal Industries	834.96	831.60	759.51	49.7	50.4	48.5	16.80	16.50	15.66
Fabricated Metal Products	536.49	478.75	504.19	41.3	38.3	41.6	12.99	12.50	12.12
Industrial Machinery and Equipment	656.20	627.54	639.73	44.7	43.1	49.4	14.68	14.56	12.95
Nondurable Goods	599.42	606.15	581.06	44.6	44.9	44.8	13.44	13.50	12.97
Paper and Allied Products	637.49	651.32	612.87	46.6	47.3	46.5	13.68	13.77	13.18
Paper Mills	632.96	655.65	605.53	45.9	47.0	45.7	13.79	13.95	13.25
Wholesale Trade	460.08	443.00	453.26	41.3	40.2	42.6	11.14	11.02	10.64
Retail Trade[i]	181.33	180.13	174.33	27.6	27.5	28.3	6.57	6.55	6.16

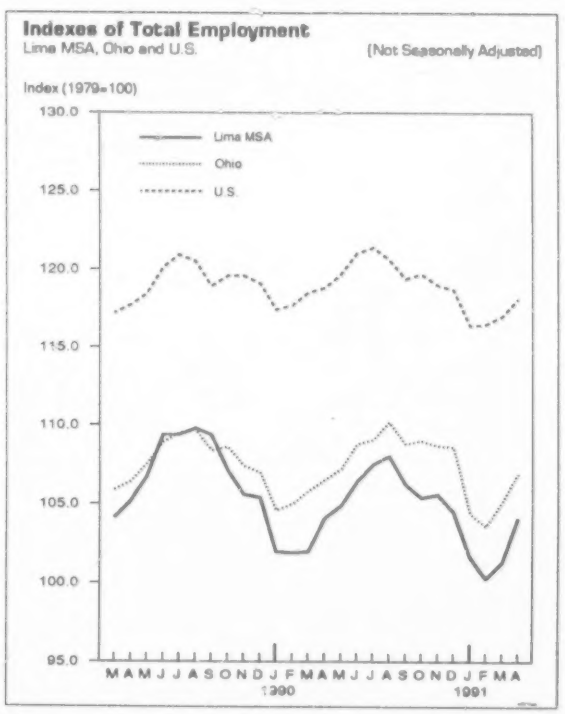
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

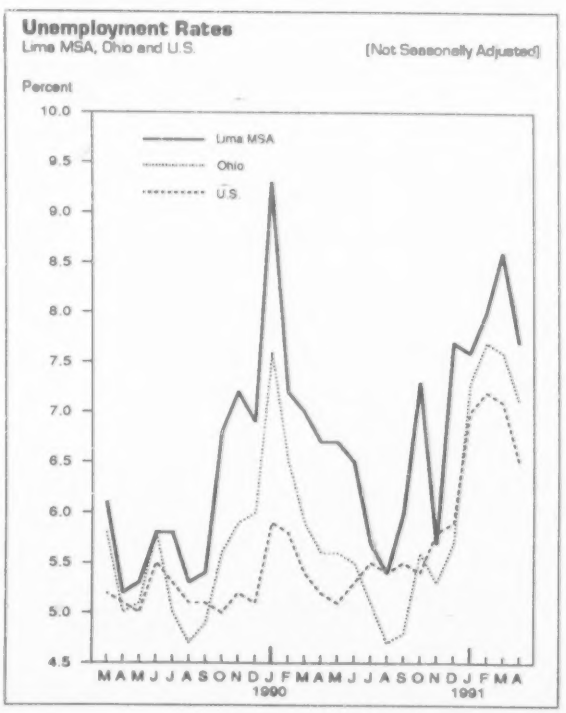
Lima Metropolitan Statistical Area



Nonfarm wage and salary employment in the Lima metropolitan area totaled 73,200 in May 1991, up 600 from April. Growth was concentrated in the service-producing sector. Modest increases were posted in services and retail trade. Employment in goods-producing industries, at 25,000, was unchanged over the month. Slight declines in manufacturing, primarily industrial machinery and equipment and rubber and miscellaneous plastics products, offset nominal growth in construction and mining. Factory production workers averaged $13.72 per hour, up 10 cents from April. Their average workweek of 41.5 hours was 0.4 hours longer.

Nonagricultural payroll employment dropped 200 between May 1990 and May 1991. Production cutbacks in durable-goods manufacturing and nominal decreases in construction and mining negated growth in nondurable-goods manufacturing, lowering employment in goods-producing industries 1,100. Noteworthy reductions occurred in industrial machinery and equipment and transportation equipment. Food and kindred products posted a slight gain. Expansion in services raised employment in service-producing industries 900.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	77.9	76.6	77.0	1.3	.9
Employment	71.9	70.0	71.9	1.9	.0
Unemployment	6.0	6.6	5.2	-.6	.8
Unemployment Rate	7.7	8.6	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	73.2	72.7	73.5	.6	-.2
Goods-Producing Industries	25.0	25.1	26.2	.0	-1.1
Construction and Mining	3.2	3.0	3.3	.1	-.2
Manufacturing	21.9	22.0	22.8	-.2	-1.0
Durable Goods	15.2	15.4	16.4	-.1	-1.1
Fabricated Metal Products	2.5	2.5	2.5	.0	.0
Industrial Machinery and Equipment	3.8	3.9	4.3	-.1	-.5
Transportation Equipment	6.4	6.4	6.8	.0	-.4
Motor Vehicles and Equipment	3.4	3.4	3.6	.0	-.2
Nondurable Goods	6.6	6.7	6.5	.0	.2
Food and Kindred Products	1.9	1.9	1.7	.0	.2
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.1	-.1	.0
Service-Producing Industries	48.2	47.6	47.3	.6	.9
Transportation and Public Utilities	3.1	3.1	3.0	.0	.0
Wholesale Trade	3.3	3.3	3.4	.0	-.1
Retail Trade	13.7	13.5	13.7	.2	.0
General Merchandise Stores	2.1	2.1	2.1	.0	.0
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	16.3	16.0	15.2	.3	1.0
Health Services	6.8	6.7	6.5	.1	.3
Hospitals	3.3	3.2	3.2	.0	.1
Government	9.8	9.8	9.9	.0	-.1
Local Government	7.4	7.4	7.1	.0	.3
Local Government Education	4.3	4.3	4.1	.0	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

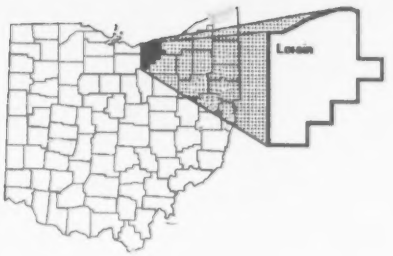
Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$569.38	$559.78	$549.36	41.5	41.1	42.0	$13.72	$13.62	$13.08
Durable Goods	563.45	549.04	548.94	41.4	40.7	42.0	13.61	13.49	13.07
Fabricated Metal Products	372.19	359.68	386.53	40.9	39.7	42.9	9.10	9.06	9.01
Industrial Machinery and Equipment	446.75	451.87	449.01	37.7	38.1	39.7	11.85	11.86	11.31
Transportation Equipment	724.15	695.14	691.65	42.9	41.7	42.8	16.88	16.67	16.16
Motor Vehicles and Equipment	824.40	774.77	781.80	45.0	42.9	44.7	18.32	18.06	17.49
Nondurable Goods	582.40	586.03	548.89	41.6	42.1	41.9	14.00	13.92	13.10
Food and Kindred Products	388.32	413.25	395.41	41.8	43.5	42.2	9.29	9.50	9.37
Rubber and Miscellaneous Plastics Products	633.94	661.73	572.46	43.6	45.2	43.9	14.54	14.64	13.04
Wholesale Trade	370.92	371.09	364.80	38.2	38.1	38.0	9.71	9.74	9.60
Retail Trade[f]	191.22	187.99	188.63	29.6	29.1	29.8	6.46	6.46	6.33
General Merchandise Stores	187.53	185.26	165.62	28.5	27.9	26.8	6.58	6.64	6.18

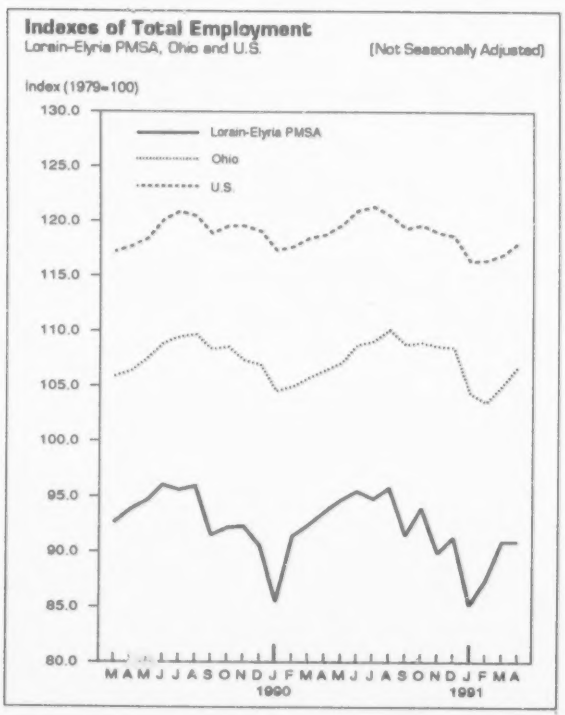
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

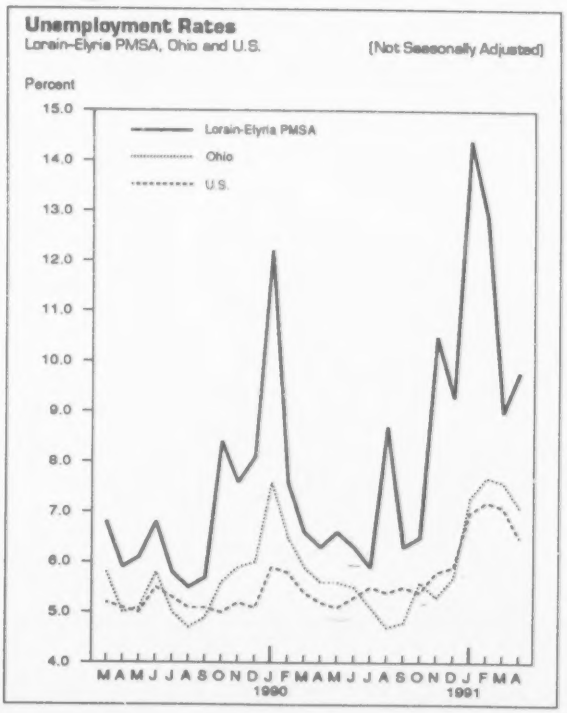
Lorain-Elyria Primary Metropolitan Statistical Area



Nonagricultural wage and salary employment in the Lorain-Elyria metropolitan area totaled 92,700 in May 1991, up 1,100 from the April level. Expansion in retail trade, services, government, and transportation and public utilities raised employment in service-producing industries 700. Employment in goods-producing industries rose 400 over the month to 31,500. Gains were posted in manufacturing, especially transportation equipment, and in construction and mining. Factory production workers averaged $13.60 per hour, down fractionally from April. Their average workweek was 0.4 hours shorter at 41.1 hours.

Nonfarm payroll employment fell 3,100 between May 1990 and May 1991. Over-the-year cutbacks among manufacturers of durable goods, primarily transportation equipment, lowered employment in the goods-producing sector 2,000. Moderate reductions were posted in primary metal industries and fabricated metal products. The number of jobs in service-producing industries declined 1,100. Decreased employment in government and retail trade outweighed modest growth in transportation and public utilities.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain-Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	120.2	119.2	119.2	1.0	1.0
Employment	108.5	108.5	111.7	.0	-3.2
Unemployment	11.8	10.7	7.5	1.0	4.3
Unemployment Rate	9.8	9.0	6.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain-Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	92.7	91.6	95.8	1.1	-3.1
Goods-Producing Industries	31.5	31.1	33.6	.4	-2.0
Construction and Mining	5.0	4.8	4.9	.2	.1
Manufacturing	26.5	26.4	28.7	.2	-2.2
Durable Goods	21.9	21.8	24.1	.1	-2.1
Primary Metal Industries	4.2	4.2	4.5	.0	-.3
Fabricated Metal Products	3.7	3.6	4.1	.0	-.3
Transportation Equipment	6.5	6.3	8.0	.2	-1.6
Nondurable Goods	4.6	4.5	4.6	.1	.0
Service-Producing Industries	61.2	60.4	62.2	.7	-1.1
Transportation and Public Utilities	3.4	3.3	3.2	.1	.2
Wholesale Trade	2.5	2.5	2.6	.0	.0
Retail Trade	16.4	16.1	16.8	.3	-.4
Finance, Insurance, and Real Estate	2.9	2.9	3.0	.0	-.1
Services	21.7	21.6	21.7	.2	.0
Health Services	8.4	8.5	8.3	.0	.2
Hospitals	3.9	3.9	3.9	.0	-.1
Government	14.2	14.0	14.9	.2	-.7
Local Government	11.8	11.7	12.0	.1	-.2
Local Government Education	7.8	7.7	7.8	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

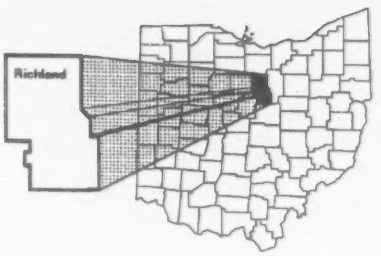
Not Seasonally Adjusted

Lorain-Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$558.96	$565.65	$602.36	41.1	41.5	44.0	$13.60	$13.63	$13.69
Durable Goods	588.29	596.24	638.32	41.4	41.9	44.7	14.21	14.23	14.28
Primary Metal Industries	622.91	622.91	622.49	42.9	42.9	43.5	14.52	14.52	14.31
Fabricated Metal Products	427.74	434.85	456.72	42.1	42.8	45.4	10.16	10.16	10.06
Transportation Equipment	730.07	765.61	839.12	40.9	42.7	47.3	17.85	17.93	17.55
Nondurable Goods	404.71	399.06	399.40	39.6	39.2	39.9	10.22	10.18	10.01
Wholesale Trade	378.56	381.09	366.14	38.2	38.3	38.5	9.91	9.95	9.51
Retail Trade[i]	173.84	177.29	162.86	26.5	26.7	26.1	6.56	6.64	6.24

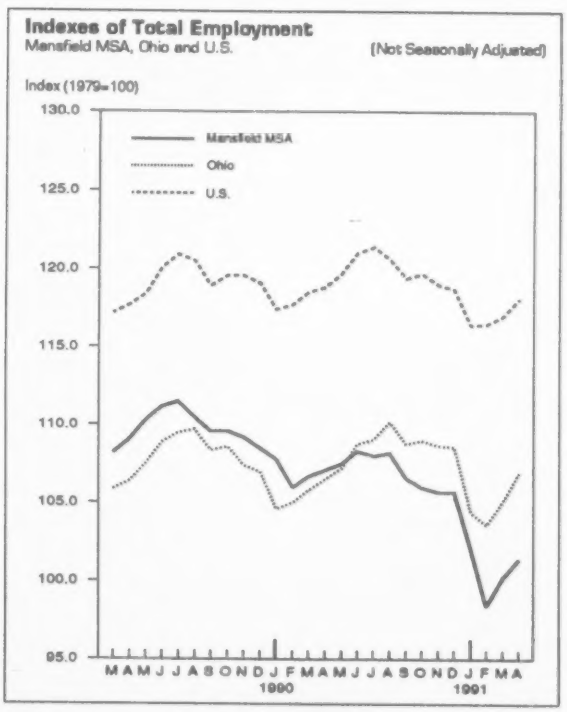
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

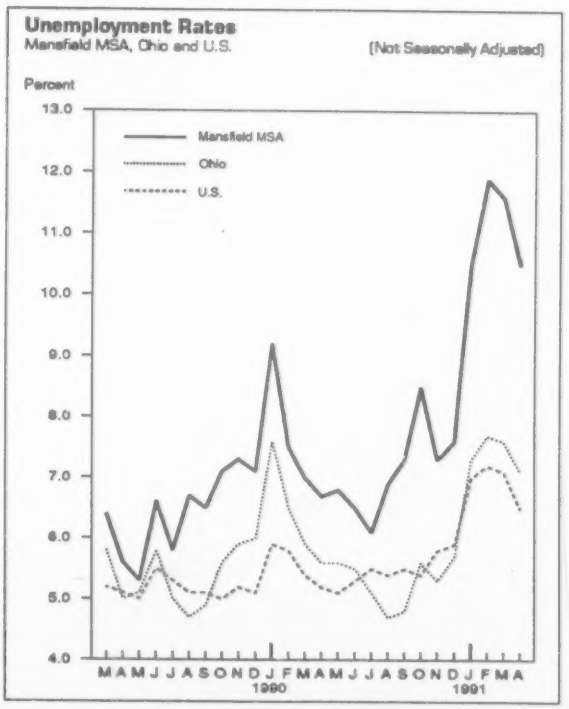
Mansfield Metropolitan Statistical Area



In the Mansfield metropolitan area, nonfarm wage and salary employment totaled 57,900 in May 1991, up 900 from April. Improvements in manufacturing, mainly fabricated metal products, and seasonal increases in construction and mining raised employment in the goods-producing sector 600 to 19,100. Service-producing industries added 300 jobs due to expansion in local government and retail trade. Manufacturing production workers averaged $14.17 per hour, up 36 cents from April. Their average workweek of 40.5 hours was 1.2 hours longer.

Nonagricultural payroll employment fell 2,900 between May 1990 and May 1991. Scattered reductions among manufacturers of durable goods, primarily electronic and other electric equipment, lowered employment in goods-producing industries 1,700. Employment in service-producing industries dropped 1,200 over the year. Noteworthy declines were posted in retail trade and government.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	63.9	63.9	64.6	.0	-.7
Employment	57.1	56.4	60.3	.7	-3.1
Unemployment	6.7	7.4	4.3	-.7	2.4
Unemployment Rate	10.5	11.6	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	57.9	57.0	60.8	.9	-2.9
Goods-Producing Industries	19.1	18.4	20.7	.6	-1.7
Construction and Mining	2.1	1.9	2.1	.2	.0
Manufacturing	17.0	16.5	18.6	.4	-1.7
Durable Goods	15.0	14.6	16.6	.4	-1.7
Fabricated Metal Products	5.3	5.0	5.4	.3	-.1
Electronic and Other Electric Equipment	2.4	2.4	3.3	.0	-.9
Nondurable Goods	2.0	2.0	2.0	.1	.0
Service-Producing Industries	38.8	38.6	40.1	.3	-1.2
Transportation and Public Utilities	2.9	2.9	3.0	.0	-.1
Wholesale Trade	2.2	2.2	2.3	.0	-.1
Retail Trade	10.8	10.7	11.3	.1	-.5
Finance, Insurance, and Real Estate	2.2	2.2	2.3	.0	-.1
Services	12.9	12.9	13.0	.0	-.1
Health Services	4.4	4.5	4.4	-.1	.0
Government	7.8	7.6	8.1	.2	-.3
Local Government	5.8	5.7	5.9	.2	.0
Local Government Education	4.1	4.1	4.0	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

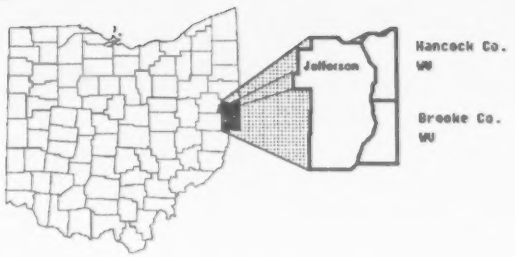
Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$573.89	$542.73	$545.08	40.5	39.3	41.2	$14.17	$13.81	$13.23
Durable Goods	591.60	555.94	563.34	40.0	38.5	41.0	14.79	14.44	13.74
Fabricated Metal Products	765.82	696.85	658.88	40.8	38.1	40.2	18.77	18.29	16.39
Electronic and Other Electric Equipment	398.73	393.09	428.06	38.9	38.5	39.2	10.25	10.21	10.92
Nondurable Goods	422.46	424.43	386.64	44.8	45.2	43.2	9.43	9.39	8.95
Wholesale Trade	346.33	341.30	338.92	39.9	40.2	40.3	8.68	8.49	8.41
Retail Trade[f]	179.20	176.20	164.82	27.4	26.9	26.8	6.54	6.55	6.15

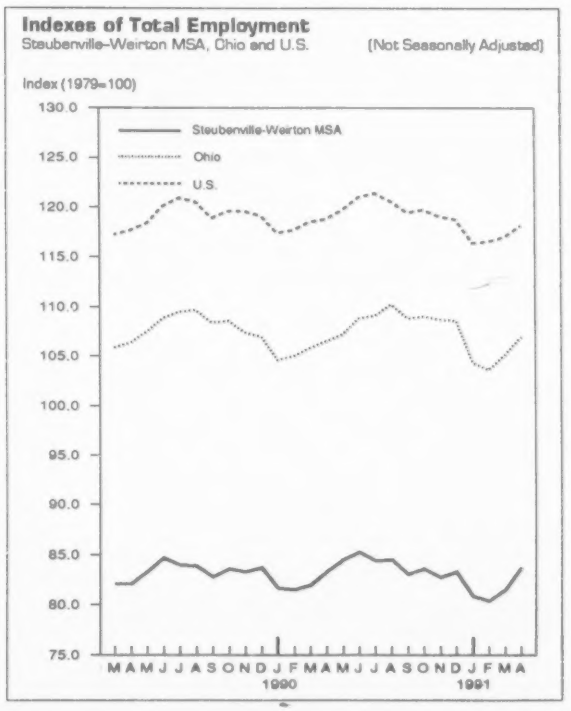
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

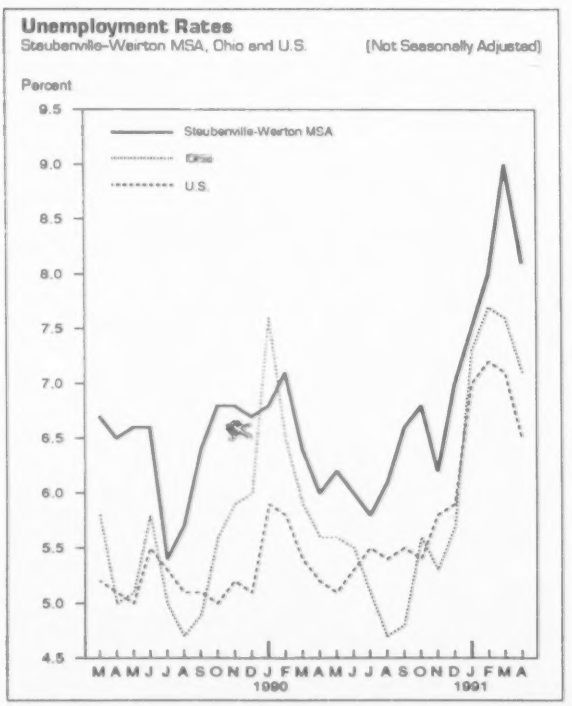
Steubenville-Weirton Metropolitan Statistical Area



Nonfarm wage and salary employment in the Steubenville-Weirton metropolitan area rose 600 above the April level to 53,400 in May 1991. The service-producing sector contributed 83.3 percent of the increase. Gains were posted in retail trade, local government, and services. Employment in goods-producing industries rose 100 over the month to 20,800. Seasonal hirings in construction outweighed nominal decreases in durable-goods manufacturing. Factory production workers averaged $12.08 per hour, up fractionally from April. Their average workweek was unchanged at 41.5 hours.

Nonagricultural payroll employment advanced 100 between May 1990 and May 1991. Employment in service-producing industries increased 200 over the year. Expansion in services, especially health services, overshadowed scattered declines. The goods-producing sector lost 100 jobs as production cutbacks in manufacturing, especially primary metal industries, outweighed growth in construction.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1991[b]	Mar. 1991[c]	Apr. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	57.6	56.7	56.1	.9	1.5
Employment	53.0	51.6	52.7	1.4	.3
Unemployment	4.6	5.1	3.4	-.4	1.3
Unemployment Rate	8.1	9.0	6.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Total	53.4	52.8	53.3	.6	.1
Goods–Producing Industries	20.8	20.6	20.9	.1	-.1
Mining	.8	.8	.8	.0	.0
Construction	2.6	2.3	2.3	.2	.3
Manufacturing	17.4	17.5	17.7	-.1	-.4
Durable Goods	15.7	15.8	16.1	-.1	-.3
Primary Metal Industries	12.5	12.5	12.7	.0	-.2
Nondurable Goods	1.6	1.6	1.7	.0	.0
Service–Producing Industries	32.6	32.1	32.4	.5	.2
Transportation and Public Utilities	3.0	3.0	3.1	.0	-.1
Wholesale Trade	1.2	1.2	1.3	.0	.0
Retail Trade	9.0	8.8	9.0	.2	.0
General Merchandise Stores	1.3	1.3	1.4	.0	-.1
Finance, Insurance, and Real Estate	1.6	1.6	1.7	.0	-.1
Services	11.3	11.2	10.8	.1	.5
Health Services	5.1	5.1	4.8	.0	.3
Hospitals	2.5	2.5	2.4	.0	.0
Government	6.5	6.3	6.5	.2	-.1
Local Government	5.6	5.4	5.4	.2	.2
Local Government Education	3.6	3.5	3.4	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]	May 1991[b]	Apr. 1991[c]	May 1990[c]
Manufacturing	$501.32	$499.25	$519.20	41.5	41.5	44.0	$12.08	$12.03	$11.80
Durable Goods	520.41	517.08	543.87	41.8	41.7	44.8	12.45	12.40	12.14
Primary Metal Industries	558.88	558.88	575.71	42.5	42.5	45.8	13.15	13.15	12.57
Nondurable Goods	303.38	311.65	208.37	38.5	39.4	33.5	7.88	7.91	6.22
Wholesale Trade	331.93	326.33	332.59	39.8	39.7	39.5	8.34	8.22	8.42
Retail Trade[f]	172.22	170.98	163.03	27.6	27.4	27.4	6.24	6.24	5.95

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	May 1991	April 1991	May 1990
New Applicants	33,115	32,838	35,050
Applicants Active This Program Year	556,554	526,227	634,916
Counseling Interviews	1,143	1,093	847
Tests Administered	970	1,466 [a]	2,272
General Aptitude Tests	673	1,037	236
Proficiency Tests	199	181	223
Specific Aptitude Tests	0	0	323
Referrals to Jobs	29,313	21,687	28,586
Placements	4,824	3,618	5,770
Job Openings Received	INA	INA	12,605
Job Openings Unfilled	28,190	26,236	21,849

INA – Information not available
[a] Revised

Selected Unemployment Insurance Activities

	Ohio		
	May 1991	April 1991	May 1990
Initial Claims	65,623	75,741	43,125
Continued Claims	582,972	669,052	398,808
First Payments	26,544	26,358	17,720
Last Payments	10,700	8,675	7,102
Average Weekly Claimants	129,194	150,320	83,033
Average Weekly Benefit Recipients	118,172	139,958	74,441
Weeks Compensated	551,464	574,828	344,711
Benefits Paid	$96,012,587	$100,411,840	$56,753,663
Average Weekly Payment	$178.01	$178.45	$168.39
Continued Claims for Survey Week	120,199	154,124	80,234
Insured Unemployment Rate	2.8	3.2	1.8
Net Contributions	$287,882,058	$78,585,474	$277,753,987
Active Employer Accounts	207,841	208,785	207,506

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Keith Ewald, Director, Labor Market Information Division at (614) 644-2689.

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Ohio Labor Market Information

Labor Market Review

June 1991

Summary. Ohio's seasonally adjusted unemployment rate rose from 5.6 percent in May 1991 to 6.4 percent in June 1991. The national rate increased from 6.9 percent to 7.0 percent over the month. Total employment in Ohio was down 63,000 from May to 5,100,000 in June. There were 347,000 unemployed Ohioans in June, 43,000 more than in May. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,927,000 in June, was up 10,000 from May. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries advanced 3,000 from May to 1,300,000 in June. Manufacturing employment increased 2,000, as gains in transportation equipment and rubber and miscellaneous plastics products were partially offset by declines in stone, clay, and glass products and industrial machinery and equipment. Growth in special trade contractors employment boosted construction 1,000. Mining employment was virtually unchanged from May.

Service-Producing Industries. There were 3,627,000 people employed in service-producing industries in June, up 7,000 from May. Services and government rose 3,000 each, while retail trade added 2,000 jobs. Little employment change occurred in wholesale trade or finance, insurance, and real estate. Employment in transportation and public utilities declined 1,000 over the month.

Over the Year. Ohio's unemployment rate increased from 5.4 percent in June 1990 to 6.4 percent in June 1991. The U.S. rate rose from 5.3 percent to 7.0 percent during the same period. Total employment in Ohio was down 29,000 from June 1990, while total unemployment was 55,000 higher. Nonfarm payroll employment advanced 23,000 over the year. Employment in services was up 44,000 due largely to increases in health and business services. All other service-producing industries showed gains from June 1990. Manufacturing employment was down 37,000 over the year. Employment in most durable-goods industries was substantially below the year-ago level. The largest declines were in industrial machinery and equipment (-9,000) and fabricated metal products (-8,000). Construction employment rose 3,000, while mining employment declined 1,000 over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $563.17 per week in June, up $19.82 from May. Their average workweek of 42.6 hours was 0.9 hours longer. Nearly all manufacturing industries had higher earnings due to more overtime. The most significant increases were in motor vehicles and equipment, metal forgings and stampings, blast furnace and basic steel products, iron and steel foundries, and miscellaneous plastics products.

Benefits and Costs. There were 49,716 initial claims filed under the Ohio Unemployment Compensation Law in June, down 24.2 percent from May, but up 30.5 percent from June 1990.

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

Total benefits paid dropped 25.8 percent to $71.2 million. The average weekly benefit check of $174.88 was $3.13 lower than in May. The average weekly number of benefit recipients, at 102,180, decreased 13.5 percent. At the end of June, there were 209,094 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services served 32,663 new job applicants in June, down 1.4 percent from May, but up 0.3 percent from June 1990. The Employment Services Division made 23,073 job referrals in June, down 21.3 percent over the month. There were 6,589 total placements made, up 36.6 percent.

Occupational Wage and Employment Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs and wages by occupations in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644–2689, or write:

Ohio Bureau of Employment Services
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In This Issue

Summary 1
Seasonally Adjusted Series
Current Data 3
Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
Historical Data 7
Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1991	May 1991	Jun. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,447	5,467	5,421	-20	26	-.4	.5
Employment	5,100	5,163	5,129	-63	-29	-1.2	-.6
Unemployment	347	304	292	43	55	14.1	18.8
Unemployment Rate	6.4	5.6	5.4				
Employer Survey Data[e]							
Total	4,927	4,916	4,903	10	23	.2	.5
Goods-Producing Industries	1,300	1,297	1,334	3	-34	.2	-2.5
Mining	17	17	18	0	-1	-.2	-4.2
Coal Mining	7	7	7	0	0	-.9	-5.3
Oil and Gas Extraction	6	6	6	0	0	.5	-2.3
Construction	200	200	197	1	3	.4	1.7
General Building Contractors	48	48	47	0	0	.0	.9
Heavy Construction, Except Building	25	25	24	0	1	.6	4.0
Special Trade Contractors	128	127	126	1	2	.4	1.6
Manufacturing	1,082	1,080	1,119	2	-37	.2	-3.3
Durable Goods	715	713	750	2	-35	.3	-4.7
Lumber and Wood Products	21	21	22	0	-1	.5	-2.5
Furniture and Fixtures	15	15	15	0	0	-1.4	.7
Stone, Clay, and Glass Products	44	44	46	-1	-2	-1.2	-4.9
Primary Metal Industries	96	96	101	0	-5	-.1	-5.0
Fabricated Metal Products	124	124	132	0	-8	-.1	-6.3
Industrial Machinery and Equipment	157	158	166	-1	-9	-.8	-5.6
Electronic and Other Electric Equipment	77	77	80	0	-3	.2	-3.9
Transportation Equipment	142	138	147	4	-5	3.1	-3.5
Instruments and Related Products	26	26	26	0	-1	.1	-2.5
Nondurable Goods	367	367	369	0	-1	.1	-.4
Food and Kindred Products	64	64	62	0	3	-.4	4.1
Apparel and Other Textile Products	14	14	15	0	0	1.4	-3.0
Paper and Allied Products	37	38	37	0	0	-1.1	-.5
Printing and Publishing	76	76	75	0	1	-.1	1.5
Chemicals and Allied Products	67	67	66	0	1	.2	1.7
Rubber and Misc. Plastics Products	90	90	95	1	-5	.7	-5.0
Service-Producing Industries	3,627	3,620	3,570	7	57	.2	1.6
Transportation and Public Utilities	220	221	219	-1	1	-.3	.5
Transportation	130	129	127	0	2	.1	1.8
Communications, Electric, Gas Services	91	91	92	-1	-1	-.7	-1.5

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1991	May 1991	Jun. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	266	265	263	0	3	.1	1.2
Wholesale Trade-Durable Goods	165	165	164	0	1	.1	.6
Wholesale Trade-Nondurable Goods	101	101	99	0	2	.1	2.1
Retail Trade	912	910	911	2	1	.2	.1
Building Materials and Garden Supplies	34	34	34	0	0	-.3	-1.1
General Merchandise Stores	123	123	128	0	-5	.2	-3.6
Food Stores	140	140	141	0	-1	.2	-.5
Automotive Dealers and Service Stations	98	98	99	0	-1	-.1	-.7
Apparel and Accessory Stores	51	50	49	0	2	.9	3.4
Furniture and Homefurnishings Stores	32	32	31	0	0	.4	1.4
Eating and Drinking Places	314	314	312	0	2	.1	.7
Miscellaneous Retail	120	119	117	1	3	.4	2.7
Finance, Insurance, and Real Estate	257	257	255	0	2	.0	.8
Finance	121	121	121	0	0	.2	.3
Depository Institutions	89	89	90	0	0	.1	-.5
Insurance	91	91	91	0	1	-.1	.7
Real Estate	44	44	43	0	1	-.1	2.2
Services	1,239	1,236	1,195	3	44	.2	3.7
Hotels and Other Lodging Places	41	41	39	0	1	.3	3.6
Personal Services	56	55	54	0	1	.3	2.3
Business Services	231	230	219	1	12	.4	5.6
Amusements, Including Motion Pictures	62	63	61	0	1	-.5	2.5
Health Services	410	409	396	1	14	.2	3.5
Legal Services	30	30	29	0	1	.6	3.9
Educational Services	64	64	63	-1	1	-.8	1.3
Social Services	84	83	80	1	4	1.3	5.2
Membership Organizations	79	79	79	0	0	.1	.3
Engineering and Management Services	94	94	90	0	4	.1	4.0
Government	734	731	727	3	6	.4	.9
Federal Government	94	94	101	0	-6	.0	-6.3
State Government	166	166	163	0	3	.3	2.0
State Government Education	88	88	84	0	4	-.4	4.3
Local Government	473	471	464	2	9	.5	2.0
Local Government Education	275	273	267	2	8	.9	3.1

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,447	5,138	309	5.7	5.4	June
5,428	5,130	298	5.5	5.3	July
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January
5,384	5,007	377	7.0	6.5	February
5,470	5,073	397	7.3	6.8	March
5,523	5,124	399	7.2	6.6	April
5,467	5,163	304	5.6	6.9	May
5,447	5,100	347	6.4	7.0	June

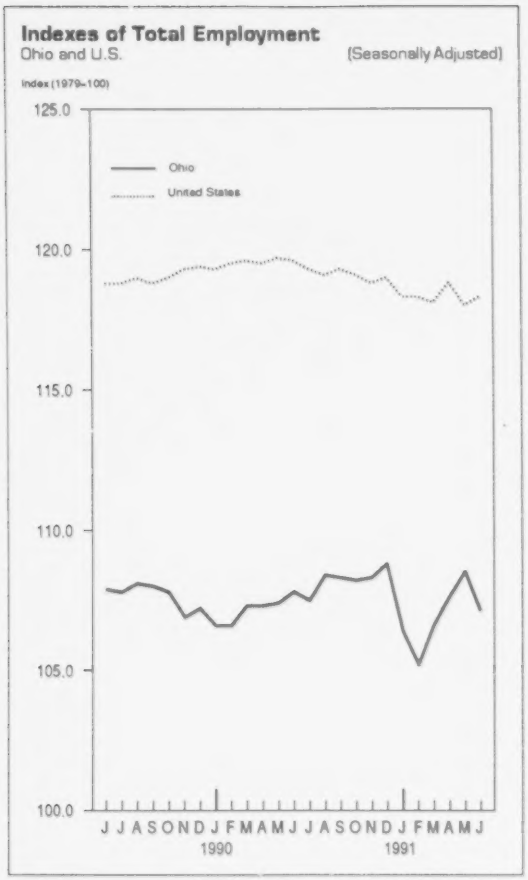
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,812	1,335	18	192	1,125	June
4,816	1,329	16	194	1,119	July
4,830	1,336	18	195	1,122	August
4,834	1,332	18	196	1,119	September
4,830	1,322	18	194	1,110	October
4,845	1,332	18	196	1,119	November
4,854	1,330	18	195	1,117	December
					1990
4,840	1,314	18	199	1,097	January
4,873	1,337	18	204	1,116	February
4,888	1,338	18	204	1,117	March
4,878	1,332	18	199	1,115	April
4,895	1,332	18	198	1,117	May
4,903	1,334	18	197	1,119	June
4,903	1,328	18	196	1,114	July
4,910	1,329	18	197	1,115	August
4,911	1,328	17	197	1,113	September
4,921	1,329	17	197	1,115	October
4,913	1,318	17	198	1,103	November
4,914	1,316	17	199	1,100	December
					1991
4,919	1,315	17	200	1,098	January
4,911	1,300	17	202	1,081	February
4,913	1,296	17	202	1,077	March
4,907	1,297	17	201	1,079	April
4,916	1,297	17	200	1,080	May
4,927	1,300	17	200	1,082	June

Service–Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,477	216	June	261	899	252	June	1,141	708
3,486	216	July	262	901	252	July	1,148	707
3,495	217	August	262	902	253	August	1,155	706
3,502	218	September	261	902	254	September	1,159	708
3,508	218	October	261	902	254	October	1,163	711
3,513	218	November	261	906	254	November	1,164	710
3,524	219	December	260	909	254	December	1,168	714
		1990				1990		
3,526	219	January	261	909	254	January	1,171	714
3,536	219	February	260	910	254	February	1,175	717
3,550	220	March	261	913	255	March	1,181	720
3,545	219	April	262	907	254	April	1,181	722
3,563	220	May	262	908	254	May	1,187	731
3,570	219	June	263	911	255	June	1,195	727
3,576	219	July	263	911	255	July	1,199	728
3,581	219	August	264	913	255	August	1,204	726
3,583	220	September	264	912	255	September	1,207	725
3,592	220	October	264	912	256	October	1,213	727
3,595	220	November	265	913	256	November	1,215	727
3,598	221	December	265	912	256	December	1,218	726
		1991				1991		
3,604	222	January	265	913	257	January	1,220	727
3,611	222	February	265	913	257	February	1,225	730
3,617	221	March	265	915	257	March	1,229	729
3,611	221	April	265	909	256	April	1,231	728
3,620	221	May	265	910	257	May	1,236	731
3,627	220	June	266	912	257	June	1,239	734

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.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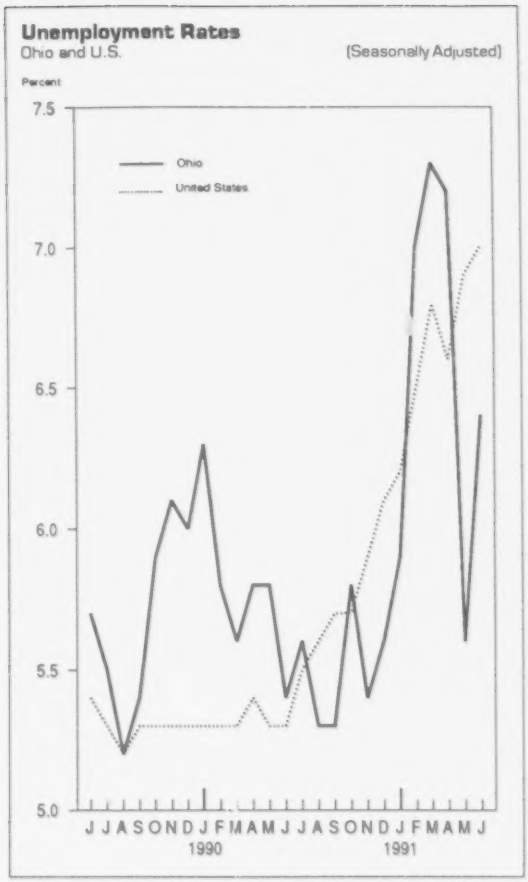
120.0
115.0
110.0
105.0
100.0
Ohio
United States
J J A S O N D J F M A M J J A S O N D J F M A M J
1990
1991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Ohio and U.S.
(Seasonally Adjusted)
Percent
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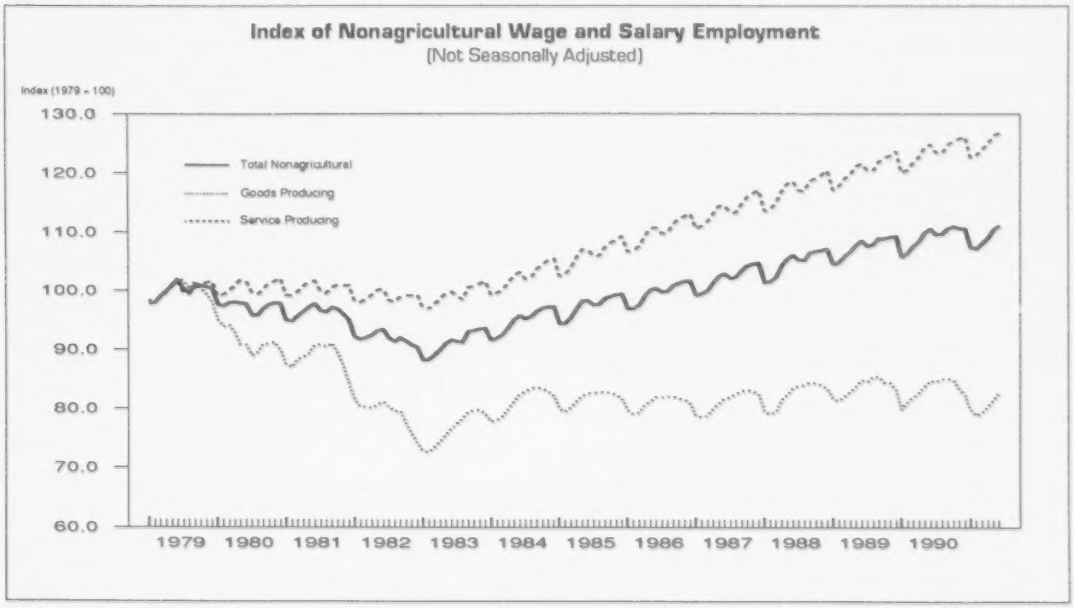
6.5
6.0
5.5
5.0
Ohio
United States
J J A S O N D J F M A M J J A S O N D J F M A M J
1990
1991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(Not Seasonally Adjusted)
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120.0
110.0
100.0
90.0
80.0
70.0
60.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
					1990
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
					1991
5,357	4,968	389	7.3	7.0	January
5,341	4,932	409	7.7	7.2	February
5,417	5,004	414	7.6	7.1	March
5,473	5,087	386	7.1	6.5	April
5,445	5,154	292	5.4	6.6	May
5,508	5,152	356	6.5	6.9	June

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
					1990
4,956.0	1,352.0	17.9	207.4	1,126.7	June
4,912.3	1,347.3	18.0	214.5	1,114.8	July
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
					1991
4,814.5	1,274.5	16.7	172.2	1,085.6	January
4,807.8	1,256.3	16.4	169.0	1,070.9	February
4,844.7	1,263.4	16.7	176.8	1,069.9	March
4,889.7	1,281.7	16.9	190.0	1,074.8	April
4,947.0	1,298.3	16.9	201.3	1,080.2	May
4,979.9	1,318.1	17.2	210.9	1,090.0	June

Service-Producing Employment

(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
		1990				1990		
3,604.0	221.1	June	264.6	920.0	257.3	June	1,214.9	726.1
3,565.0	221.3	July	265.6	917.8	258.5	July	1,217.6	684.2
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
		1991				1991		
3,540.0	217.5	January	262.1	893.0	253.7	January	1,184.3	729.3
3,551.4	216.7	February	261.7	880.4	254.0	February	1,194.7	744.0
3,581.3	217.6	March	262.7	889.4	254.6	March	1,208.7	748.3
3,608.0	219.3	April	263.9	899.2	254.9	April	1,228.3	742.3
3,648.7	220.9	May	265.6	912.3	256.6	May	1,242.8	750.4
3,661.8	222.2	June	267.7	921.1	259.3	June	1,259.7	731.8

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,264.3	880.3	384.1	1980	867.8	$301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,122.6	754.7	367.9	1989	770.4	403.3	32.9
1,111.7	743.3	368.5	1990	757.3	405.9	32.1
			1990			
1,126.7	756.0	370.7	June	770.6	422.2	33.1
1,114.8	745.0	369.9	July	757.4	403.0	32.0
1,120.5	748.4	372.2	August	763.2	409.7	32.4
1,123.2	748.0	375.2	September	766.3	426.7	33.1
1,121.3	746.9	374.4	October	765.0	416.7	32.6
1,106.1	734.4	371.7	November	749.8	410.8	32.0
1,099.9	729.8	370.1	December	743.7	403.9	31.5
			1991			
1,085.6	718.1	367.5	January	731.1	394.6	30.7
1,070.9	706.7	364.2	February	717.4	377.1	29.6
1,069.9	706.3	363.6	March	716.7	383.1	29.7
1,074.8	710.8	364.0	April	721.5	385.9	29.9
1,080.2	714.6	365.5	May	727.7	395.4	30.3
1,090.0	720.8	369.3	June	736.0	414.5	31.4

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$347.94	$358.57	$319.99	1980	40.6	40.7	40.2	1980	$ 8.57	$ 8.81	$ 7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
535.94	556.38	492.74	1990	42.4	42.7	41.9	1990	12.64	13.03	11.76
			1990				1990			
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84
547.41	571.43	496.78	October	42.6	42.9	42.1	October	12.85	13.32	11.80
547.84	568.43	503.37	November	42.7	42.9	42.3	November	12.83	13.25	11.90
543.13	562.22	501.06	December	42.3	42.4	42.0	December	12.84	13.26	11.93
			1991				1991			
539.70	559.99	497.90	January	42.0	42.2	41.7	January	12.85	13.27	11.94
525.71	541.86	492.79	February	41.2	41.3	41.1	February	12.76	13.12	11.99
534.52	551.20	498.08	March	41.5	41.6	41.3	March	12.88	13.25	12.06
534.89	552.78	497.25	April	41.4	41.5	41.3	April	12.92	13.32	12.04
543.35	561.79	503.40	May	41.7	41.8	41.5	May	13.03	13.44	12.13
563.17	586.79	511.09	June	42.6	42.8	42.1	June	13.22	13.71	12.14

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.4	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
46.5	101.7	133.4	June	166.7	79.7	148.7	June	61.8	75.3	95.7
46.2	99.4	132.0	July	166.3	79.4	142.4	July	61.9	75.7	93.8
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.6	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	78.6	147.0	October	64.3	75.9	95.4
45.4	99.8	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	126.8	January	163.1	76.2	134.3	January	62.5	75.7	91.9
42.5	95.5	122.9	February	161.2	76.1	133.2	February	62.1	75.6	89.5
42.6	96.8	123.4	March	160.5	75.8	131.3	March	62.5	75.6	88.6
43.6	96.1	123.8	April	158.0	75.9	137.2	April	62.6	75.8	89.1
44.1	96.1	124.5	May	158.1	76.3	136.8	May	63.4	76.0	89.4
44.3	96.6	125.0	June	157.4	76.7	143.6	June	64.3	76.5	90.9

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.39	479.83	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
488.31	650.32	518.32	January	548.70	475.69	724.55	January	482.89	479.50	449.90
490.31	599.23	501.39	February	532.98	472.73	703.50	February	469.68	485.10	443.48
499.31	624.75	511.60	March	537.20	477.99	715.29	March	497.20	484.31	447.12
494.56	635.58	516.89	April	532.97	475.26	704.33	April	478.74	483.15	453.46
492.96	639.84	525.26	May	534.59	474.85	736.59	May	509.50	477.97	458.59
502.86	673.61	554.13	June	552.95	496.44	769.96	June	508.98	474.38	476.55

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	4979.9	4947.0	4956.0	32.9	23.9
Goods-Producing Industries	1318.1	1298.3	1352.0	19.8	-33.9
Mining	17.2	16.9	17.9	.3	-.8
Coal Mining	6.6	6.6	6.9	.0	-.4
Oil and Gas Extraction	5.8	5.6	5.9	.2	-.1
Construction	210.9	201.3	207.4	9.6	3.6
General Building Contractors	49.8	47.6	49.3	2.2	.4
Nonresidential Building Construction	25.4	24.2	25.4	1.1	.0
Heavy Construction, Except Building	28.0	26.0	26.9	2.0	1.1
Highway and Street Construction	11.1	10.2	10.1	.9	1.0
Special Trade Contractors	133.2	127.8	131.1	5.4	2.1
Manufacturing	1090.0	1080.2	1126.7	9.9	-36.7
Durable Goods[f]	720.8	714.6	756.0	6.1	-35.3
Lumber and Wood Products	21.5	21.1	22.0	.3	-.5
Millwork, Plywood and Structural Members	9.9	9.8	10.2	.1	-.2
Furniture and Fixtures	15.3	15.3	15.2	.0	.1
Stone, Clay, and Glass Products	44.3	44.1	46.5	.2	-2.3
Primary Metal Industries	96.6	96.1	101.7	.5	-5.1
Blast Furnace and Basic Steel Products	44.4	44.5	46.8	-.1	-2.4
Iron and Steel Foundries	18.7	18.6	20.2	.1	-1.5
Nonferrous Rolling and Drawing	15.9	15.5	16.6	.4	-.7
Nonferrous Foundries	10.2	10.2	10.7	.0	-.4
Fabricated Metal Products	125.0	124.5	133.4	.5	-8.4
Fabricated Structural Metal Products	27.5	27.5	29.5	.0	-2.0
Metal Forgings and Stampings	36.2	35.7	38.5	.5	-2.3
Industrial Machinery and Equipment	157.4	158.1	166.7	-.7	-9.3
Construction and Related Machinery	11.9	11.9	13.5	-.1	-1.6
Metalworking Machinery	46.3	46.3	48.3	.0	-2.0
Special Industry Machinery	15.0	15.1	16.9	-.2	-1.9
General Industrial Machinery	24.8	24.9	25.9	-.2	-1.1
Computer and Office Equipment	10.7	10.7	11.3	.1	-.5
Refrigeration and Service Machinery	15.1	15.0	16.4	.1	-1.3
Electronic and Other Electric Equipment	76.7	76.3	79.7	.4	-3.1
Electrical Industrial Apparatus	11.6	11.6	12.2	.0	-.6
Household Appliances	14.6	14.6	15.9	.0	-1.2
Electric Lighting and Wiring Equipment	16.0	15.9	16.4	.1	-.4
Electronic Components and Accessories	11.1	11.3	11.9	-.1	-.8
Transportation Equipment	143.6	138.8	148.7	4.8	-5.1
Motor Vehicles and Equipment	100.5	95.8	102.5	4.7	-1.9
Aircraft and Parts	35.7	35.6	37.8	.1	-2.1
Instruments and Related Products	25.8	25.7	26.4	.1	-.7
Measuring and Controlling Devices	14.6	14.6	15.6	.0	-1.0
Nondurable Goods[g]	369.3	365.5	370.7	3.8	-1.4
Food and Kindred Products	64.3	63.4	61.8	.9	2.5
Dairy Products	10.7	10.7	10.0	.0	.7
Preserved Fruits and Vegetables	11.0	10.8	10.5	.2	.4
Bakery Products	9.7	9.7	9.5	.0	.1
Apparel and Other Textile Products	14.5	14.2	14.9	.2	-.4
Paper and Allied Products	37.3	37.5	37.5	-.1	-.2
Paperboard Containers and Boxes	13.7	13.7	13.4	.0	.4
Miscellaneous Converted Paper Products	11.8	12.0	12.3	-.1	-.5
Printing and Publishing	76.5	76.0	75.3	.5	1.2
Newspapers	18.6	18.7	19.0	.0	-.4
Commercial Printing	28.6	28.5	27.6	.1	1.0
Chemicals and Allied Products	67.4	66.7	66.3	.6	1.0
Plastics Materials and Synthetics	9.7	9.6	9.7	.1	.0
Rubber and Miscellaneous Plastics Products	90.9	89.4	95.7	1.5	-4.8
Tires and Inner Tubes	14.7	14.6	14.7	.0	-.1
Miscellaneous Plastics Products	56.5	55.2	58.5	1.3	-2.0
Service-Producing Industries	3661.8	3648.7	3604.0	13.1	57.8
Transportation and Public Utilities	222.2	220.9	221.1	1.3	1.1
Transportation	130.8	129.7	128.5	1.1	2.4
Railroad Transportation	11.4	11.4	12.4	.0	-1.0
Trucking and Warehousing	76.7	76.0	75.8	.7	.9
Transportation by Air	15.7	15.5	14.4	.2	1.3
Communications, Electric, Gas Services	91.4	91.2	92.6	.2	-1.3
Communications	47.8	47.8	48.5	.0	-.7
Electric, Gas, and Sanitary Services	43.6	43.4	44.2	.2	-.6

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Wholesale Trade	267.7	265.6	264.6	2.0	3.0
Wholesale Trade-Durable Goods	166.0	164.9	165.0	1.1	1.0
Motor Vehicles, Parts, and Supplies	22.2	22.0	22.2	.1	-.1
Professional and Commercial Equipment	32.2	32.1	32.1	.1	.1
Metals and Minerals, Except Petroleum	11.0	11.0	11.0	.1	.0
Electrical Goods	17.4	17.3	17.6	.1	-.2
Hardware, Plumbing and Heating Equipment	12.4	12.4	12.5	.0	-.1
Machinery, Equipment, and Supplies	41.7	41.3	41.1	.4	.6
Wholesale Trade-Nondurable Goods	101.7	100.7	99.6	.9	2.1
Groceries and Related Products	34.8	34.3	33.7	.4	1.1
Retail Trade	921.1	912.3	920.0	8.8	1.1
Building Materials and Garden Supplies	36.6	36.2	37.0	.4	-.4
Lumber and Other Building Materials	18.6	18.1	18.7	.5	-.1
General Merchandise Stores	119.8	119.2	124.2	.6	-4.4
Department Stores	99.8	99.3	103.5	.4	-3.7
Variety Stores	9.7	9.6	10.2	.1	-.5
Food Stores	141.0	139.5	141.6	1.5	-.7
Grocery Stores	125.1	124.0	125.5	1.2	-.3
Automotive Dealers and Service Stations	99.2	98.4	100.0	.7	-.8
New and Used Car Dealers	41.5	41.4	42.3	.1	-.8
Gasoline Service Stations	35.6	35.3	35.7	.2	-.2
Apparel and Accessory Stores	49.6	49.2	48.0	.4	1.6
Furniture and Homefurnishings Stores	31.3	31.1	30.8	.2	.4
Eating and Drinking Places	325.4	320.9	323.2	4.5	2.2
Miscellaneous Retail	118.3	117.8	115.2	.5	3.1
Drug Stores and Proprietary Stores	31.4	31.3	30.8	.1	.6
Nonstore Retailers	23.1	22.8	22.3	.3	.8
Finance, Insurance, and Real Estate	259.3	256.6	257.3	2.7	2.0
Finance	121.8	120.8	121.4	1.0	.4
Depository Institutions	90.1	89.2	90.6	.9	-.5
Commercial Banks	64.8	64.1	64.3	.7	.5
Insurance	91.6	91.2	91.0	.4	.6
Insurance Carriers	69.6	69.3	69.5	.3	.1
Life Insurance	25.5	25.3	25.2	.2	.2
Fire, Marine, and Casualty Insurance	31.0	30.9	30.9	.1	.1
Real Estate	45.8	44.6	44.9	1.3	1.0
Services	1259.7	1242.8	1214.9	16.9	44.9
Hotels and Other Lodging Places	42.8	40.9	41.3	1.8	1.5
Personal Services	55.0	54.8	53.8	.2	1.2
Business Services	231.9	228.7	219.6	3.2	12.3
Services to Buildings	35.1	34.8	34.4	.3	.7
Personnel Supply Services	80.9	79.9	76.4	1.0	4.4
Computer and Data Processing Services	29.8	29.4	27.7	.4	2.2
Amusements, Including Motion Pictures	77.0	69.3	75.1	7.7	1.9
Health Services	410.9	407.4	397.1	3.5	13.8
Nursing and Personal Care Facilities	88.3	87.5	85.9	.8	2.4
Hospitals	195.4	194.3	190.7	1.1	4.6
Legal Services	30.8	29.8	29.6	1.0	1.1
Educational Services	58.7	64.7	58.0	-6.0	.8
Colleges and Universities	30.6	35.5	30.3	-4.9	.3
Social Services	83.3	83.3	79.1	.0	4.2
Residential Care	24.8	24.5	23.5	.2	1.3
Membership Organizations	80.7	79.1	80.5	1.6	.2
Engineering and Management Services	94.5	93.2	90.9	1.3	3.6
Engineering and Architectural Services	30.1	29.5	28.7	.6	1.4
Accounting, Auditing, and Bookkeeping	21.6	21.7	20.9	-.1	.7
Research and Testing Services	19.8	19.5	19.6	.4	.2
Management and Public Relations	22.9	22.6	21.7	.4	1.3
Government	731.8	750.4	726.1	-18.6	5.7
Federal Government	94.5	94.1	100.9	.3	-6.4
U.S. Postal Service	33.1	33.0	33.9	.1	-.8
State Government	162.8	173.3	160.0	-10.4	2.9
State Government Hospitals	15.6	15.4	16.0	.2	-.4
State Government Education[h]	82.9	95.7	79.7	-12.8	3.2
Local Government	474.5	483.0	465.3	-8.5	9.2
Local Government Hospitals	14.7	14.6	14.2	.2	.6
Local Government Education	269.3	285.5	261.3	-16.2	8.0

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Goods-Producing Industries	$576.35	$558.38	$561.43	42.1	41.3	42.5	$13.69	$13.52	$13.21
Mining	594.27	602.41	634.20	43.6	44.1	45.3	13.63	13.66	14.00
Coal Mining	715.57	740.52	743.38	42.9	44.0	43.6	16.68	16.83	17.05
Construction	637.16	633.55	620.93	39.6	39.4	39.6	16.09	16.08	15.68
General Building Contractors	563.20	557.79	558.81	40.0	39.7	40.7	14.08	14.05	13.73
Heavy Construction, Except Building	743.89	752.01	669.11	43.3	43.9	41.1	17.18	17.13	16.28
Special Trade Contractors	634.58	628.01	630.24	38.6	38.2	39.0	16.44	16.44	16.16
Manufacturing	563.17	543.35	547.82	42.6	41.7	43.0	13.22	13.03	12.74
Durable Goods[f]	586.79	561.79	571.14	42.8	41.8	43.4	13.71	13.44	13.16
Lumber and Wood Products	347.21	340.17	312.27	40.8	40.4	38.6	8.51	8.42	8.09
Millwork, Plywood and Structural Members	410.83	407.02	358.80	43.2	43.3	41.1	9.51	9.40	8.73
Furniture and Fixtures	402.24	391.52	386.14	41.9	41.3	41.7	9.60	9.48	9.26
Stone, Clay, and Glass Products	502.86	492.96	498.10	42.4	41.6	43.2	11.86	11.85	11.53
Primary Metal Industries	673.61	639.84	672.04	44.2	43.0	45.5	15.24	14.88	14.77
Blast Furnace and Basic Steel Products	702.42	672.74	678.76	46.0	44.7	46.3	15.27	15.05	14.66
Iron and Steel Foundries	725.89	665.02	739.91	42.8	41.0	45.9	16.96	16.22	16.12
Nonferrous Rolling and Drawing	678.49	631.97	712.66	40.1	38.7	42.7	16.92	16.33	16.69
Nonferrous Foundries	500.81	488.22	491.57	46.2	45.5	45.6	10.84	10.73	10.78
Fabricated Metal Products	554.13	525.26	533.68	42.3	41.1	42.9	13.10	12.78	12.44
Fabricated Structural Metal Products	465.65	458.56	493.19	41.8	41.2	43.3	11.14	11.13	11.39
Metal Forgings and Stampings	710.72	655.78	670.96	43.1	41.4	44.2	16.49	15.84	15.18
Industrial Machinery and Equipment	552.95	534.59	548.97	42.6	41.7	43.5	12.98	12.82	12.62
Construction and Related Machinery	476.39	444.60	462.98	40.1	38.0	40.4	11.88	11.70	11.46
Metalworking Machinery	526.81	509.09	534.38	42.9	41.9	44.2	12.28	12.15	12.09
Special Industry Machinery	516.43	516.17	524.81	42.4	42.8	44.4	12.18	12.06	11.82
General Industrial Machinery	647.97	626.53	630.90	44.2	43.6	45.0	14.66	14.37	14.02
Computer and Office Equipment	474.00	472.78	479.76	40.0	40.1	41.9	11.85	11.79	11.45
Refrigeration and Service Machinery	619.05	581.19	595.30	42.9	40.9	41.6	14.43	14.21	14.31
Electronic and Other Electric Equipment	496.44	474.85	458.59	42.0	40.9	40.8	11.82	11.61	11.24
Electrical Industrial Apparatus	467.60	453.74	454.07	41.9	41.1	42.2	11.16	11.04	10.76
Household Appliances	507.98	496.54	477.56	41.4	40.8	39.5	12.27	12.17	12.09
Electric Lighting and Wiring Equipment	521.48	495.01	481.19	40.3	39.1	39.9	12.94	12.66	12.06
Electronic Components and Accessories	365.45	351.05	345.28	42.2	41.3	41.7	8.66	8.50	8.28
Transportation Equipment	769.96	736.59	758.62	44.2	42.9	45.7	17.42	17.17	16.60
Motor Vehicles and Equipment	793.86	759.76	797.01	44.3	42.9	46.5	17.92	17.71	17.14
Aircraft and Parts	694.76	668.74	662.56	44.0	43.2	44.2	15.79	15.48	14.99
Instruments and Related Products	400.75	396.98	390.22	39.6	39.5	39.9	10.12	10.05	9.78
Measuring and Controlling Devices	403.61	393.43	373.84	39.3	38.8	38.7	10.27	10.14	9.66
Nondurable Goods[g]	511.09	503.40	497.12	42.1	41.5	42.2	12.14	12.13	11.78
Food and Kindred Products	508.98	509.50	476.40	42.7	42.6	41.9	11.92	11.96	11.37
Dairy Products	498.80	486.26	484.34	43.0	42.1	42.9	11.60	11.55	11.29
Preserved Fruits and Vegetables	545.16	552.55	494.51	42.0	42.8	40.6	12.98	12.91	12.18
Bakery Products	502.35	507.36	500.12	39.4	39.3	40.3	12.75	12.91	12.41
Apparel and Other Textile Products	302.61	308.50	301.42	38.5	39.2	38.3	7.86	7.87	7.87
Paper and Allied Products	533.61	522.20	517.87	44.1	43.3	44.3	12.10	12.06	11.69
Paperboard Containers and Boxes	472.94	468.93	467.37	44.2	43.5	44.3	10.70	10.78	10.55
Miscellaneous Converted Paper Products	473.59	464.63	477.20	41.8	41.3	43.7	11.33	11.25	10.92
Printing and Publishing	474.38	477.97	467.68	39.4	39.6	39.6	12.04	12.07	11.81
Newspapers	383.50	380.49	375.62	32.5	32.3	33.3	11.80	11.78	11.28
Commercial Printing	463.56	465.00	471.24	40.1	40.4	40.8	11.56	11.51	11.55
Chemicals and Allied Products	619.56	606.34	621.52	43.6	42.7	43.8	14.21	14.20	14.19
Plastics Materials and Synthetics	682.84	688.18	663.80	43.3	43.2	43.7	15.77	15.93	15.19
Rubber and Miscellaneous Plastics Products	478.55	458.59	467.99	42.2	40.8	42.7	11.34	11.24	10.96
Tires and Inner Tubes	735.59	731.98	741.29	44.1	43.7	46.1	16.68	16.75	16.08
Miscellaneous Plastics Products	463.26	442.54	452.83	42.0	40.6	42.4	11.03	10.90	10.68
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	658.57	656.18	623.70	43.1	43.0	42.0	15.28	15.26	14.85
Communications	648.83	649.26	572.40	43.4	43.4	40.0	14.95	14.96	14.31
Electric, Gas, and Sanitary Services	669.54	664.70	681.12	42.7	42.5	44.2	15.68	15.64	15.41
Wholesale Trade	426.89	427.28	415.74	39.2	39.2	39.0	10.89	10.90	10.66
Wholesale Trade-Durable Goods	424.05	422.58	411.45	39.3	39.2	39.0	10.79	10.78	10.55
Motor Vehicles, Parts, and Supplies	350.24	346.37	361.19	38.7	38.4	37.9	9.05	9.02	9.53
Metals and Minerals, Except Petroleum	488.46	506.34	468.03	42.0	43.5	41.2	11.63	11.64	11.36
Wholesale Trade-Nondurable Goods	430.95	435.51	424.24	39.0	39.2	39.1	11.05	11.11	10.85

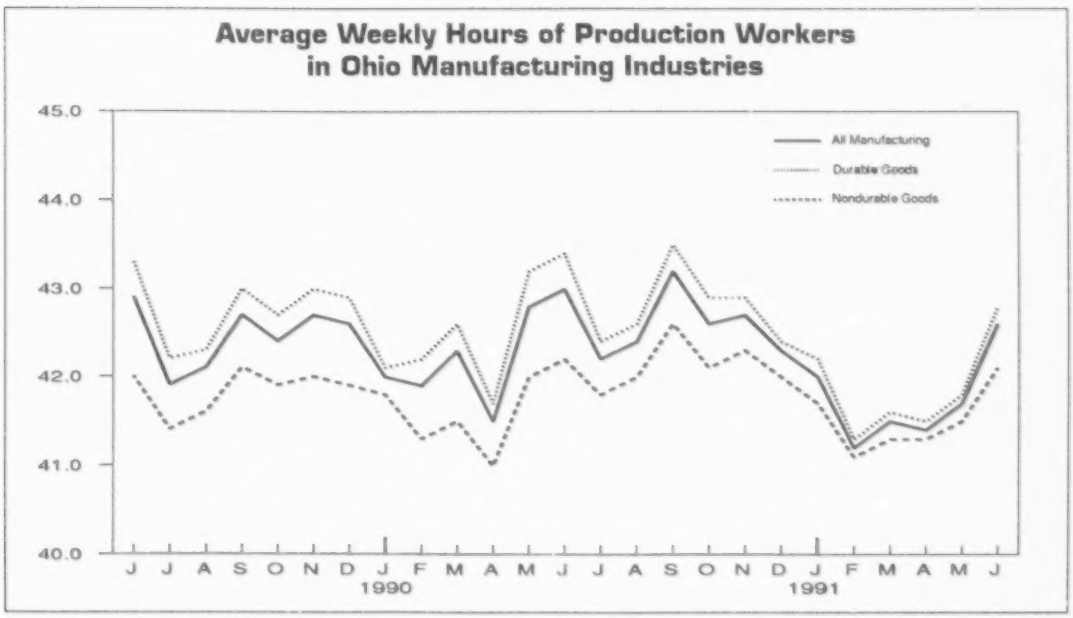
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

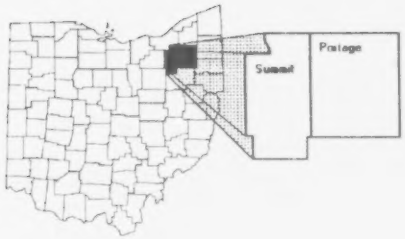
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Retail Trade[i]	$188.20	$185.15	$179.35	28.3	27.8	28.2	$ 6.65	$ 6.66	$ 6.36
General Merchandise Stores	207.61	208.37	192.55	29.2	28.9	28.4	7.11	7.21	6.78
Department Stores	214.30	214.18	196.94	29.6	29.1	28.5	7.24	7.36	6.91
Finance, Insurance, and Real Estate	361.73	361.40	350.81	....	....	....	.....	.....	.....
Finance	338.50	337.27	324.40	....	....	....	.....	.....	.....
Depository Institutions	284.15	281.45	277.00	....	....	....	.....	.....	.....
Commercial Banks	272.87	271.36	273.15	....	....	....	.....	.....	.....
Insurance	430.42	429.21	418.39	....	....	....	.....	.....	.....
Insurance Carriers	420.56	419.21	407.06	....	....	....	.....	.....	.....
Life Insurance	394.21	391.20	384.54	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	457.47	458.06	434.54	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	260.98	262.10	245.93	32.5	32.6	33.1	8.03	8.04	7.43
Health Services	323.73	324.05	314.15	31.4	31.4	31.7	10.31	10.32	9.91
Nursing and Personal Care Facilities	226.24	223.49	211.82	32.0	31.7	31.9	7.07	7.05	6.64
Hospitals	376.64	376.96	369.36	32.0	32.0	32.4	11.77	11.78	11.40
Engineering and Management Services	528.17	522.00	480.48	36.3	36.0	35.2	14.55	14.50	13.65
Engineering and Architectural Services	725.92	727.30	673.25	34.7	35.0	33.1	20.92	20.78	20.34
Research and Testing Services	425.09	413.32	378.07	36.9	35.6	35.6	11.52	11.61	10.62

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.



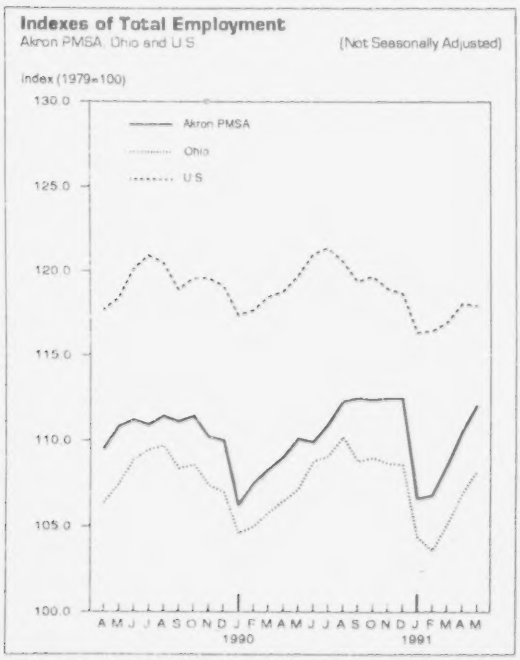
Akron
Primary Metropolitan Statistical Area

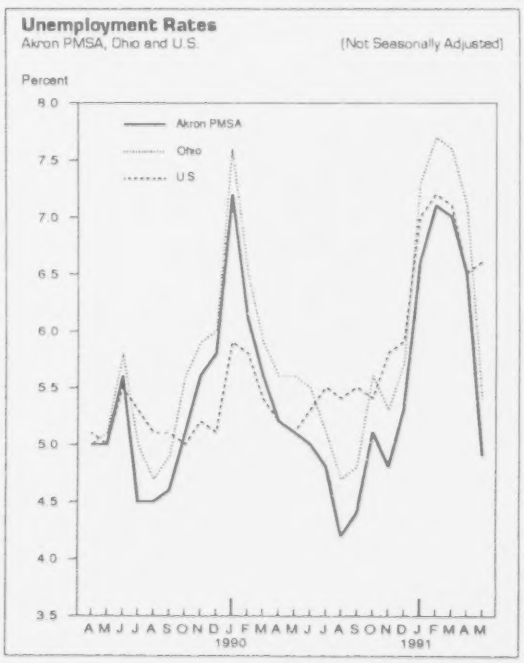


In the Akron metropolitan area, nonfarm payroll employment dropped 3,400 below the May level to 288,800 in June 1991. The workforce in service-producing industries lost 4,100 jobs. Seasonal layoffs of nonteaching faculty in state and local schools and colleges overshadowed more business in services, especially in amusements, including motion pictures. Employment in the goods-producing sector rose 600 over the month to 78,300 primarily due to hirings in the construction industry. Manufacturing employment improved slightly as gains in nondurable goods offset a decline in industrial machinery and equipment. Factory production workers averaged $12.11 per hour, up 12 cents from May. Their average workweek of 42.6 hours was 0.5 hours longer.

Nonagricultural wage and salary employment advanced 3,500 between June 1990 and June 1991. The service-producing sector gained 4,200 employees mainly due to expansion in services. Notable gains occurred in health services, in amusements, including motion pictures, and in business services. Cutbacks in manufacturing and nominal declines in construction lowered employment in goods-producing industries 700. Over-the-year reductions in industrial machinery and equipment and fabricated metal products outweighed an increase in food and kindred products.

Seasonally adjusted employment in the Akron area totaled 289,000 in June 1991, unchanged from May. A gain in services counterbalanced a decline in government. Since June 1990, nonfarm payroll employment advanced 4,000 as growth in services more than offset a decrease in manufacturing.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
331.6	313.7	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
332.3	314.9	17.3	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
329.9	313.6	16.4	5.0	June	285.3	67.1	38.3	524.36	43.3	12.11
332.4	316.5	15.9	4.8	July	284.1	66.8	37.9	509.92	42.6	11.97
334.4	320.5	13.9	4.2	August	285.2	67.0	38.1	529.40	43.5	12.17
335.8	321.1	14.7	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
337.9	320.8	17.1	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
337.5	321.2	16.3	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
339.2	321.1	18.1	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
326.0	304.3	21.6	6.6	January	279.7	67.3	38.6	507.03	42.5	11.93
328.0	304.7	23.3	7.1	February	282.0	65.6	36.8	484.38	41.4	11.70
333.1	309.7	23.4	7.0	March	285.0	66.3	37.6	489.70	41.5	11.80
337.4	315.3	22.1	6.5	April	288.1	66.2	37.4	493.44	41.5	11.89
336.6	319.9	16.6	4.9	May	292.2	66.5	37.9	504.78	42.1	11.99
INA	INA	INA	INA	June	288.8	66.6	38.0	515.89	42.6	12.11

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	9	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
285	78	10	67	June	208	14	15	54	11	69	45
286	78	10	67	July	208	14	15	54	11	70	45
287	78	10	67	August	209	14	15	54	11	70	45
287	78	10	67	September	209	14	15	54	11	70	45
287	79	10	68	October	209	14	15	54	11	70	45
288	79	10	68	November	210	14	15	54	11	71	45
289	79	11	68	December	210	14	15	55	11	71	45
				1991							
289	79	10	68	January	209	14	15	54	11	71	45
287	77	10	66	February	210	14	15	54	11	71	45
288	78	10	67	March	210	14	15	54	11	71	45
288	77	10	66	April	211	14	15	54	11	72	45
289	77	10	66	May	211	14	15	54	11	72	46
289	77	10	66	June	212	14	15	54	11	73	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	288.8	292.2	285.3	-3.4	3.5
Goods-Producing Industries[e]	78.3	77.6	79.0	.6	-.7
Construction	11.1	10.6	11.2	.5	-.1
Manufacturing	66.6	66.5	67.1	.1	-.6
Durable Goods[f]	33.8	33.8	34.8	-.1	-1.1
Fabricated Metal Products	10.2	10.1	10.7	.1	-.5
Fabricated Structural Metal Products	4.3	4.4	4.6	-.1	-.3
Industrial Machinery and Equipment	9.3	9.5	10.2	-.2	-.9
Metalworking Machinery	4.2	4.3	3.9	.0	.3
Electronic and Other Electric Equipment	2.5	2.5	2.5	.0	-.1
Transportation Equipment	4.8	4.9	4.9	-.1	-.1
Nondurable Goods[g]	32.8	32.6	32.3	.2	.5
Food and Kindred Products	3.4	3.4	3.2	.0	.3
Chemicals and Allied Products	3.6	3.6	3.5	.0	.1
Rubber and Miscellaneous Plastics Products	19.2	19.2	19.3	.1	-.1
Tires and Inner Tubes	10.2	10.2	10.2	.0	-.1
Service-Producing Industries	210.5	214.6	206.3	-4.1	4.2
Transportation and Public Utilities	14.0	13.9	13.9	.1	.1
Communications, Electric, Gas Services	5.5	5.5	5.5	.0	.0
Wholesale Trade	14.9	14.8	15.0	.1	-.1
Retail Trade	54.3	54.0	54.5	.4	-.1
General Merchandise Stores	5.7	5.7	6.4	.1	-.7
Food Stores	8.9	8.9	9.0	.0	-.1
Finance, Insurance, and Real Estate	10.9	10.9	10.9	.0	.0
Finance	5.3	5.3	5.4	.0	-.1
Services	75.2	73.1	71.1	2.1	4.1
Business Services	12.5	12.3	11.8	.2	.8
Personnel Supply Services	3.5	3.4	3.4	.1	.2
Amusements, Including Motion Pictures	7.7	6.6	6.8	1.1	.9
Health Services	23.6	23.4	22.4	.2	1.2
Nursing and Personal Care Facilities	4.0	3.9	3.7	.1	.4
Hospitals	11.7	11.6	11.3	.1	.4
Social Services	5.6	5.6	5.2	.0	.4
Engineering and Management Services	5.5	5.4	5.1	.1	.4
Government	41.2	47.9	41.0	-6.8	.2
Federal Government	2.5	2.6	2.6	.0	-.1
State Government	12.3	17.8	12.2	-5.5	.1
State Government Education[h]	9.4	15.0	9.2	-5.7	.2
Local Government	26.3	27.5	26.1	-1.2	.2
Local Government Education	13.5	15.1	13.3	-1.6	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

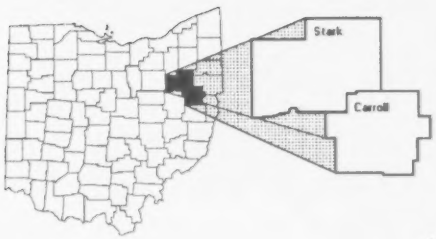
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$515.89	$504.78	$524.36	42.6	42.1	43.3	$12.11	$11.99	$12.11
Durable Goods[f]	525.31	509.92	541.29	43.2	42.6	43.9	12.16	11.97	12.33
Fabricated Metal Products	631.96	582.74	701.66	42.3	40.3	45.8	14.94	14.46	15.32
Fabricated Structural Metal Products	506.68	472.40	561.60	42.4	40.0	45.4	11.95	11.81	12.37
Industrial Machinery and Equipment	506.28	510.21	472.83	45.9	45.8	43.7	11.03	11.14	10.82
Metalworking Machinery	573.36	578.38	510.06	47.9	47.8	44.9	11.97	12.10	11.36
Electronic and Other Electric Equipment	433.24	430.03	434.89	41.3	40.8	42.1	10.49	10.54	10.33
Transportation Equipment	647.99	635.38	612.50	42.8	42.5	42.3	15.14	14.95	14.48
Nondurable Goods[g]	504.90	498.83	500.65	41.9	41.5	42.5	12.05	12.02	11.78
Food and Kindred Products	377.86	389.71	397.79	37.9	38.7	40.1	9.97	10.07	9.92
Chemicals and Allied Products	552.44	560.19	544.94	42.3	42.6	43.7	13.06	13.15	12.47
Rubber and Miscellaneous Plastics Products	536.26	513.25	520.52	44.1	42.7	44.0	12.16	12.02	11.83
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	626.67	629.63	595.73	42.4	42.6	41.0	14.78	14.78	14.53
Wholesale Trade	383.52	380.07	365.42	37.6	36.9	36.8	10.20	10.30	9.93
Retail Trade[i]	227.52	223.30	217.00	31.6	30.8	31.0	7.20	7.25	7.00
General Merchandise Stores	198.43	192.72	196.25	28.8	28.3	29.6	6.89	6.81	6.63
Food Stores	336.92	332.01	315.66	38.2	37.6	37.4	8.82	8.83	8.44
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	297.87	292.75	282.33	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

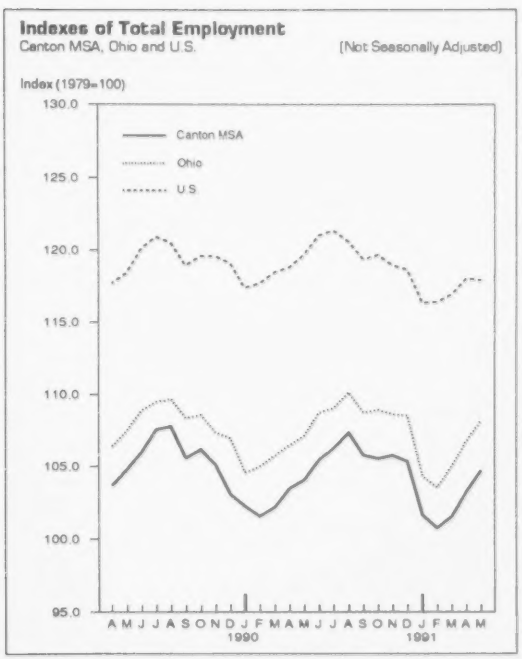
Canton Metropolitan Statistical Area

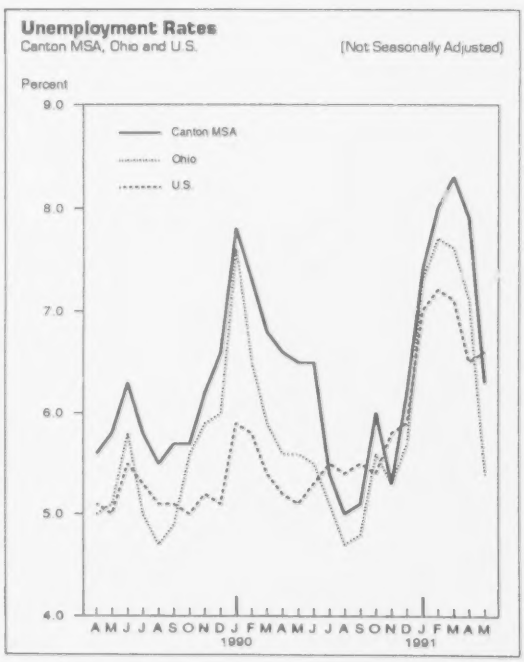


Nonfarm payroll employment in the Canton metropolitan area rose 700 above the May level to 167,800 in June 1991. Employment in goods-producing industries increased 600 to 52,700. Modest gains were posted in construction and manufacturing, particularly primary metal industries and food and kindred products. The number of jobs in service-producing industries was 100 higher. More business in retail trade and in services outweighed seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $11.41 per hour, up 10 cents from May. Their average workweek of 41.6 hours was 0.6 hours longer.

Nonagricultural wage and salary employment declined 400 between June 1990 and June 1991. Over-the-year cutbacks in manufacturing lowered employment in the goods-producing sector 1,100. Noteworthy reductions occurred in rubber and miscellaneous plastics products and fabricated metal products. The workforce in service-producing industries advanced 700 during the period. Expansion in services more than offset declines in government, retail trade, and finance, insurance, and real estate.

Seasonally adjusted employment in the Canton area totaled 166,000 in June 1991, unchanged from May. Employment in retail trade rose slightly over the month. Nonfarm payroll employment was little changed from the June 1990 level. Gains in construction and services offset a decrease in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.3	182.5	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.8	181.8	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
196.0	183.3	12.8	6.5	June	168.2	45.1	31.5	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	167.2	45.2	31.5	485.18	42.3	11.47
196.4	186.5	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.6	183.8	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
195.0	183.4	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.3	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
190.8	176.6	14.1	7.4	January	163.8	44.2	30.7	473.05	41.9	11.29
190.3	175.1	15.2	8.0	February	162.7	43.5	30.1	466.46	41.5	11.24
192.5	176.5	16.0	8.3	March	163.2	43.2	29.9	470.25	41.8	11.25
194.9	179.5	15.4	7.9	April	164.9	43.1	29.7	466.46	41.5	11.24
194.5	182.1	12.3	6.3	May	167.1	43.6	30.1	463.71	41.0	11.31
INA	INA	INA	INA	June	167.8	43.9	30.2	474.66	41.6	11.41

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	6	45	1990	113	6	9	33	7	40	19
				1990							
166	53	7	45	June	113	6	9	33	7	40	19
166	53	7	45	July	113	6	9	33	7	40	20
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	113	6	9	32	7	40	19
166	53	7	44	December	114	6	9	32	7	41	19
				1991							
167	53	8	45	January	114	6	9	33	7	40	20
167	52	8	44	February	114	6	9	33	7	41	20
166	52	8	44	March	114	6	9	33	7	41	19
166	52	8	43	April	114	6	9	32	7	41	19
166	52	8	44	May	114	6	9	32	7	41	19
166	52	8	44	June	114	6	9	33	7	41	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	167.8	167.1	168.2	.7	-.4
Goods-Producing Industries[e]	52.7	52.1	53.8	.6	-1.1
Construction	8.1	7.7	7.9	.4	.1
Manufacturing	43.9	43.6	45.1	.2	-1.2
Durable Goods[f]	33.0	33.0	33.7	.0	-.6
Primary Metal Industries	11.8	11.7	11.6	.1	.2
Fabricated Metal Products	5.2	5.2	5.7	.0	-.5
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.3
Nondurable Goods[g]	10.8	10.6	11.4	.2	-.6
Food and Kindred Products	3.1	3.0	3.0	.1	.0
Rubber and Miscellaneous Plastics Products	2.3	2.3	2.9	.0	-.6
Service-Producing Industries	115.1	115.0	114.4	.1	.7
Transportation and Public Utilities	5.8	5.8	5.7	.0	.1
Communications, Electric, Gas Services	2.9	2.9	2.8	.0	.1
Wholesale Trade	9.0	8.9	9.0	.1	.1
Retail Trade	32.9	32.5	33.1	.4	-.2
General Merchandise Stores	3.6	3.6	3.9	.0	-.3
Food Stores	5.6	5.6	5.6	.1	.0
Finance, Insurance, and Real Estate	6.7	6.7	6.8	.0	-.2
Finance	3.9	3.8	4.0	.0	-.1
Services	41.7	41.4	40.5	.3	1.3
Health Services	16.6	16.4	16.1	.1	.4
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.7	7.6	7.5	.1	.2
Government	18.9	19.7	19.3	-.8	-.4
Federal Government	1.5	1.5	1.6	.0	-.1
State Government (Includes Education)	1.6	1.7	1.7	-.1	-.1
Local Government	15.9	16.6	16.0	-.7	-.1
Local Government Education	9.3	10.1	9.4	-.7	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

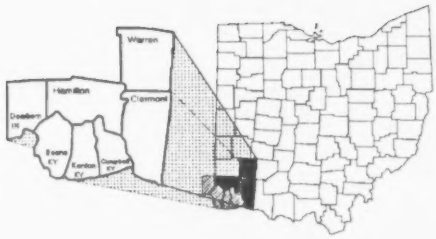
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$474.66	$463.71	$487.60	41.6	41.0	42.4	$11.41	$11.31	$11.50
Durable Goods[f]	490.26	475.18	511.92	42.3	41.5	43.2	11.59	11.45	11.85
Primary Metal Industries	527.12	520.13	560.35	43.6	43.2	44.9	12.09	12.04	12.48
Fabricated Metal Products	437.92	441.73	469.06	39.1	39.3	41.4	11.20	11.24	11.33
Electronic and Other Electric Equipment	607.32	597.40	524.96	42.0	41.2	38.6	14.46	14.50	13.60
Nondurable Goods[g]	422.97	427.28	417.91	39.2	39.6	40.3	10.79	10.79	10.37
Food and Kindred Products	436.16	455.84	434.32	39.4	40.7	39.7	11.07	11.20	10.94
Rubber and Miscellaneous Plastics Products	416.83	406.19	392.64	41.6	40.7	40.9	10.02	9.98	9.60
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	640.05	643.92	589.34	42.5	42.7	40.7	15.06	15.08	14.48
Wholesale Trade	400.30	388.61	385.84	39.4	38.4	38.7	10.16	10.12	9.97
Retail Trade[i]	183.58	177.93	173.10	28.2	27.5	28.1	6.51	6.47	6.16
General Merchandise Stores	207.90	197.46	191.19	30.0	28.7	29.1	6.93	6.88	6.57
Food Stores	185.81	180.06	163.39	29.4	28.4	27.6	6.32	6.34	5.92
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	203.85	200.64	188.43	30.2	30.4	30.1	6.75	6.60	6.26

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

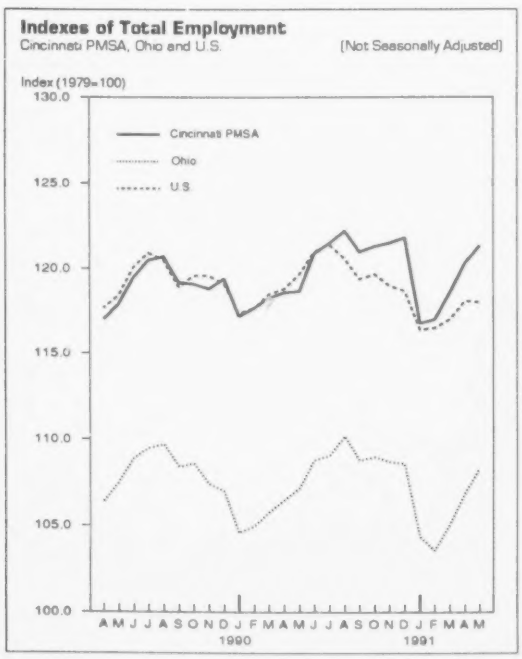
Cincinnati Primary Metropolitan Statistical Area

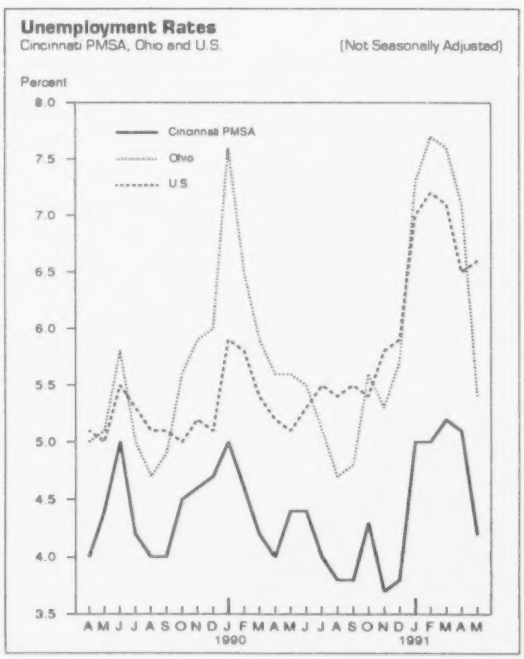


Nonagricultural payroll employment in the Cincinnati metropolitan area rose 4,900 above the May level to 763,200 in June 1991. Service-producing industries added 3,900 employees. More business in services, especially in amusements, including motion pictures, and increased hirings in retail trade outweighed seasonal layoffs of nonteaching personnel in local schools. Gains in construction and nondurable-goods manufacturing, primarily chemicals and allied products, raised employment in goods-producing industries 1,100 over the month to 181,000. Factory production workers averaged $12.62 per hour, up 15 cents from May. Their average workweek of 42.9 hours was 0.5 hours longer.

Nonfarm wage and salary employment advanced 11,700 between June 1990 and June 1991. Expansion in the service-producing sector created 14,700 jobs. The leading growth industry was services, with notable gains in business services, health services, and engineering and management services. Moderate improvements were posted in local schools, retail trade, and transportation and public utilities. Employment in goods-producing industries fell 3,000 from the year-ago level. Cutbacks in durable-goods manufacturing and decreased employment in construction overshadowed increases in nondurable-goods manufacturing. Reductions in transportation equipment, electronic and other electric equipment, fabricated metal products, and industrial machinery and equipment outweighed gains in chemicals and allied products and printing and publishing.

Seasonally adjusted employment in the Cincinnati area increased 2,000 from May to 756,000 in June 1991 with modest increases in retail trade and services. Since June 1990, nonfarm payroll employment advanced 12,000. Growth in services, retail trade, government, and transportation and public utilities more than offset a decline in manufacturing.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	6.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
778.4	743.5	34.8	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
786.9	754.1	32.8	4.2	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
794.3	759.1	35.2	4.4	June	751.5	148.5	93.2	528.00	43.6	12.11
795.1	763.4	31.7	4.0	July	747.0	148.3	93.0	516.86	43.0	12.02
798.0	767.7	30.4	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
790.3	760.0	30.3	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
795.9	761.9	34.0	4.3	October	753.9	149.5	93.7	526.25	43.1	12.21
791.9	762.9	29.0	3.7	November	754.6	149.4	93.2	527.47	43.2	12.21
795.3	765.0	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
772.3	733.9	38.4	5.0	January	737.3	147.3	91.5	521.14	42.3	12.32
773.1	734.6	38.5	5.0	February	737.9	146.6	91.0	515.76	42.0	12.28
785.8	745.0	40.7	5.2	March	744.4	146.0	90.3	516.18	42.0	12.29
796.4	755.8	40.6	5.1	April	751.3	144.7	89.3	511.66	41.7	12.27
795.9	762.1	33.7	4.2	May	758.3	145.6	90.1	528.73	42.4	12.47
INA	INA	INA	INA	June	763.2	145.8	90.0	541.40	42.9	12.62

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
744	182	34	148	June	562	41	49	141	44	193	94
745	182	34	148	July	564	41	49	141	44	193	96
746	182	34	148	August	564	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	195	94
749	182	33	149	October	567	42	49	141	44	198	94
749	182	33	148	November	568	42	49	141	44	197	95
750	181	33	148	December	569	42	49	141	44	198	95
				1991							
752	182	33	148	January	570	42	48	142	44	196	96
753	182	34	148	February	571	42	49	141	44	199	96
754	181	34	147	March	573	42	48	142	44	200	96
753	180	34	146	April	573	42	49	142	44	200	96
754	180	34	146	May	574	42	49	142	44	201	96
756	179	34	146	June	576	42	49	143	44	202	96

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	763.2	758.3	751.5	4.9	11.7
Goods-Producing Industries[e]	181.0	179.9	184.0	1.1	-3.0
Construction	34.7	34.0	35.0	.8	-.3
Manufacturing	145.8	145.6	148.5	.3	-2.7
Durable Goods[f]	75.9	76.0	80.2	-.1	-4.3
Fabricated Metal Products	11.2	11.4	11.8	-.1	-.6
Fabricated Structural Metal Products	4.0	4.1	4.3	-.1	-.3
Industrial Machinery and Equipment	18.4	18.5	19.0	-.1	-.6
Electronic and Other Electric Equipment	7.3	7.2	8.0	.0	-.7
Transportation Equipment	24.1	23.9	25.2	.1	-1.1
Motor Vehicles and Equipment	4.8	4.8	5.1	.0	-.2
Instruments and Related Products	3.6	3.6	3.9	.0	-.2
Nondurable Goods[g]	69.9	69.6	68.4	.4	1.6
Food and Kindred Products	12.2	12.3	12.0	-.1	.2
Beverages	2.8	2.8	2.7	.0	.1
Apparel and Other Textile Products	3.2	3.2	3.3	.0	-.1
Paper and Allied Products	6.2	6.2	5.9	.1	.4
Printing and Publishing	15.2	15.2	14.6	.0	.6
Commercial Printing	6.4	6.4	5.9	.0	.5
Chemicals and Allied Products	24.2	23.9	23.1	.3	1.1
Rubber and Miscellaneous Plastics Products	6.3	6.2	6.8	.1	-.4
Service-Producing Industries	582.2	578.4	567.5	3.9	14.7
Transportation and Public Utilities	42.4	42.1	41.2	.3	1.2
Transportation	25.6	25.3	24.5	.3	1.1
Trucking and Warehousing	10.7	10.6	10.7	.1	.0
Transportation by Air	7.9	7.8	7.0	.1	.9
Communications, Electric, Gas Services	16.9	16.8	16.7	.1	.2
Communications	9.9	9.9	9.9	.0	.0
Wholesale Trade	49.3	48.8	48.9	.5	.4
Wholesale Trade-Durable Goods	28.1	27.8	28.1	.3	.0
Retail Trade	143.1	141.7	141.2	1.4	1.9
General Merchandise Stores	20.8	20.7	21.0	.1	-.2
Finance, Insurance, and Real Estate	44.6	44.1	44.2	.4	.4
Finance	17.7	17.6	17.7	.1	.0
Depository Institutions	13.2	13.1	13.3	.1	-.1
Commercial Banks	9.5	9.4	9.4	.0	.1
Insurance	17.3	17.3	17.2	.0	.1
Insurance Carriers	14.6	14.6	14.5	.0	.2
Life Insurance	6.8	6.9	6.7	.0	.2
Fire, Marine, and Casualty Insurance	5.5	5.5	5.4	.0	.1
Services	206.9	203.0	198.0	3.8	8.8
Hotels and Other Lodging Places	8.2	7.9	7.9	.3	.3
Personal Services	8.7	8.7	8.5	.0	.2
Business Services	41.7	41.0	39.0	.7	2.7
Services to Buildings	6.3	6.2	6.3	.0	.0
Computer and Data Processing Services	5.6	5.5	5.0	.1	.5
Amusements, Including Motion Pictures	15.7	13.7	15.5	1.9	.1
Health Services	60.9	60.5	58.8	.3	2.0
Nursing and Personal Care Facilities	12.0	11.9	11.4	.1	.6
Hospitals	28.3	28.2	28.1	.0	.2
Legal Services	4.6	4.4	4.4	.1	.1
Educational Services	7.1	7.6	7.1	-.5	.1
Social Services	13.6	13.6	12.9	.0	.7
Residential Care	5.0	4.9	4.7	.0	.3
Engineering and Management Services	19.4	19.0	18.0	.4	1.4
Engineering and Architectural Services	6.6	6.4	6.2	.2	.4
Government	96.0	98.6	94.0	-2.6	2.0
Federal Government	16.3	16.6	16.7	-.3	-.5
State Government	21.5	22.2	21.1	-.6	.5
State Government Education[h]	13.3	14.0	12.7	-.7	.6
Local Government	58.2	59.8	56.2	-1.7	1.9
Local Government Education	32.9	35.1	31.3	-2.2	1.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

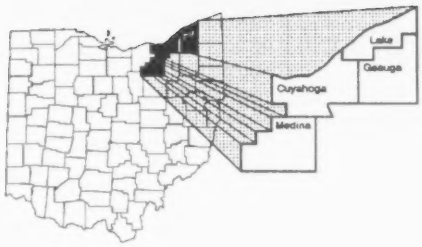
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$541.40	$528.73	$528.00	42.9	42.4	43.6	$12.62	$12.47	$12.11
Durable Goods[f]	543.92	526.92	523.41	43.1	42.7	43.8	12.62	12.34	11.95
Fabricated Metal Products	444.98	428.90	434.85	41.9	41.4	42.8	10.62	10.36	10.16
Fabricated Structural Metal Products	482.94	460.65	482.89	42.7	42.3	43.7	11.31	10.89	11.05
Industrial Machinery and Equipment	487.34	487.06	467.42	42.6	42.8	42.3	11.44	11.38	11.05
Electronic and Other Electric Equipment	399.51	418.70	377.07	41.4	42.9	41.3	9.65	9.76	9.13
Transportation Equipment	830.79	781.51	836.63	46.7	45.2	48.5	17.79	17.29	17.25
Motor Vehicles and Equipment	988.40	920.14	998.22	50.3	48.2	52.4	19.65	19.09	19.05
Instruments and Related Products	452.91	437.18	393.30	44.1	43.2	43.7	10.27	10.12	9.00
Nondurable Goods[g]	537.61	530.04	530.86	42.6	42.1	43.3	12.62	12.59	12.26
Food and Kindred Products	509.32	508.22	501.98	42.8	42.6	43.2	11.90	11.93	11.62
Beverages	605.49	600.92	578.51	41.5	41.3	42.6	14.59	14.55	13.58
Apparel and Other Textile Products	253.08	268.93	259.00	37.0	38.2	38.2	6.84	7.04	6.78
Paper and Allied Products	446.89	460.65	466.09	40.7	41.5	42.8	10.98	11.10	10.89
Printing and Publishing	515.41	507.50	503.86	41.2	40.6	41.3	12.51	12.50	12.20
Commercial Printing	551.32	536.64	533.92	44.0	43.0	43.8	12.53	12.48	12.19
Chemicals and Allied Products	682.65	664.01	682.42	45.0	43.8	45.8	15.17	15.16	14.90
Rubber and Miscellaneous Plastics Products	428.83	424.20	437.56	42.5	42.0	43.8	10.09	10.10	9.99
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	626.20	628.16	595.63	40.4	40.5	40.3	15.50	15.51	14.78
Communications	621.32	628.43	591.07	39.6	39.9	39.3	15.69	15.75	15.04
Wholesale Trade	460.94	465.28	438.65	39.6	39.7	39.2	11.64	11.72	11.19
Retail Trade[i]	184.24	183.58	179.27	28.0	27.9	28.5	6.58	6.58	6.29
General Merchandise Stores	237.47	232.84	220.70	30.8	30.2	30.4	7.71	7.71	7.26
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	291.76	289.94	303.35	....	....	....	.....	.....	.....
Commercial Banks	263.85	263.62	273.27	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	428.63	426.69	415.22	....	....	....	.....	.....	.....
Life Insurance	420.81	422.82	425.19	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	469.01	458.57	425.71	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	452.18	446.78	433.95	33.2	32.9	32.9	13.62	13.58	13.19
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	713.58	720.25	640.56	42.5	43.0	40.8	16.79	16.75	15.70

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Cleveland Primary Metropolitan Statistical Area

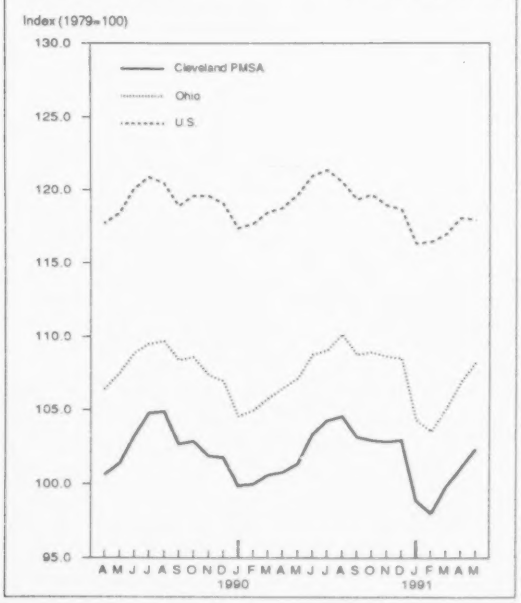


Nonfarm payroll employment in the Cleveland metropolitan area advanced 11,900 above the May level to 965,300 in June 1991. The workforce in service-producing industries rose 8,600. Modest gains were posted in services, retail trade, and government. More business in construction, especially special trade contractors, and improvements in manufacturing raised employment in goods-producing industries 3,300 to 240,700. Noteworthy increases were posted in transportation equipment, rubber and miscellaneous plastics products, and primary metal industries. Factory production workers averaged $12.66 per hour, up 21 cents from May. Their average workweek of 42.4 hours was one hour longer.

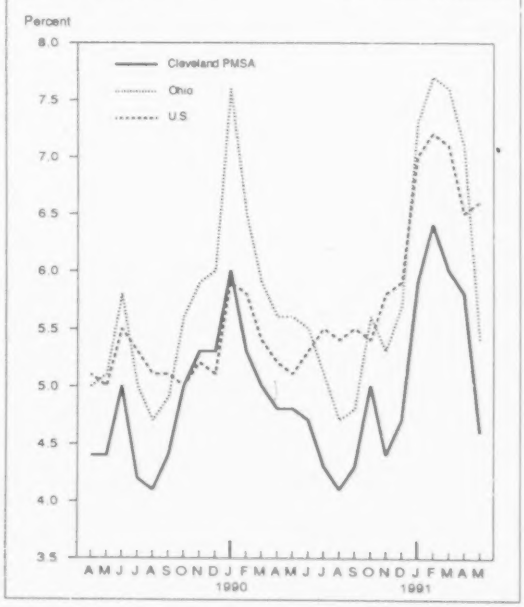
Nonagricultural wage and salary employment increased 100 between June 1990 and June 1991. Expansion in services helped raise employment in service-producing industries 5,600. Notable growth occurred in health services, social services, and engineering and management services. The number of federal government jobs declined from the year-ago level primarily due to the temporary hiring of census workers in 1990. Significant reductions in manufacturing lowered employment in goods-producing industries 5,500. Over-the-year cutbacks were recorded in industrial machinery and equipment, primary metal industries, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Cleveland area totaled 953,000 in June 1991, up 1,000 from May. Nonfarm payroll employment was unchanged from June 1990. Growth in services and finance, insurance, and real estate counterbalanced declines in manufacturing and government.

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
953.5	907.5	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
954.8	909.1	45.7	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
965.0	919.7	45.3	4.7	June	965.2	208.6	133.3	534.25	43.4	12.31
969.0	926.9	42.1	4.3	July	962.7	207.8	132.2	514.74	42.4	12.14
969.6	930.3	39.4	4.1	August	956.3	206.1	131.1	518.38	42.7	12.14
958.0	917.2	40.8	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
954.4	915.9	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
956.7	914.6	42.2	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
960.9	915.4	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
935.0	879.5	55.5	5.9	January	932.4	204.1	128.3	510.38	41.8	12.21
931.5	871.5	60.0	6.4	February	926.4	199.2	123.7	496.43	41.3	12.02
944.4	887.2	57.1	6.0	March	936.6	201.7	126.2	505.10	41.3	12.23
954.5	898.9	55.6	5.8	April	943.6	201.9	126.8	510.88	41.3	12.37
953.8	910.0	43.8	4.6	May	953.4	201.8	126.9	515.43	41.4	12.45
INA	INA	INA	INA	June	965.3	203.0	127.7	536.78	42.4	12.66

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
953	243	35	207	June	710	43	65	163	58	260	121
951	243	35	207	July	708	43	65	163	58	261	118
948	242	35	206	August	707	43	65	164	58	262	115
953	242	34	206	September	711	43	65	164	58	261	120
953	242	34	207	October	711	43	65	164	58	261	120
949	240	34	204	November	710	43	65	164	58	261	119
949	239	35	203	December	710	43	65	163	58	261	119
				1991							
952	241	34	206	January	711	43	65	164	58	262	120
947	236	35	201	February	711	43	65	163	58	262	120
952	239	35	203	March	713	43	65	164	58	263	120
951	238	35	203	April	712	43	65	164	58	263	120
952	237	35	202	May	714	43	65	163	59	265	120
953	237	35	202	June	716	43	65	163	59	265	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	965.3	953.4	965.2	11.9	.1
Goods-Producing Industries[e]	240.7	237.4	246.2	3.3	-5.5
Construction	37.0	35.1	36.8	2.0	.3
Special Trade Contractors	25.6	24.1	25.5	1.4	.1
Manufacturing	203.0	201.8	208.6	1.2	-5.6
Durable Goods[f]	136.8	136.4	142.0	.4	-5.3
Stone, Clay, and Glass Products	3.7	3.6	3.7	.0	.0
Primary Metal Industries	19.4	19.1	20.5	.3	-1.1
Iron and Steel Foundries	4.4	4.2	4.4	.3	.0
Fabricated Metal Products	34.0	34.1	34.8	-.1	-.8
Screw Machine Products, Bolts, etc.	5.3	5.2	5.2	.0	.0
Metal Forgings and Stampings	10.9	11.1	11.1	-.2	-.2
Industrial Machinery and Equipment	31.3	31.5	33.6	-.1	-2.3
Metalworking Machinery	12.1	12.1	13.0	-.1	-.9
Electronic and Other Electric Equipment	15.1	15.1	15.6	.0	-.5
Electrical Industrial Apparatus	3.8	3.8	4.2	.0	-.4
Electric Lighting and Wiring Equipment	5.1	5.1	5.3	.0	-.1
Transportation Equipment	19.1	18.7	19.4	.4	-.3
Motor Vehicles and Equipment	11.7	11.4	11.9	.3	-.2
Instruments and Related Products	7.2	7.1	7.2	.0	-.1
Measuring and Controlling Devices	5.0	5.0	4.9	.0	.1
Nondurable Goods[g]	66.2	65.4	66.6	.8	-.3
Food and Kindred Products	6.5	6.4	6.5	.1	.0
Apparel and Other Textile Products	3.1	3.1	3.2	.0	-.1
Paper and Allied Products	5.9	6.0	6.0	.0	-.1
Printing and Publishing	17.9	17.8	17.7	.2	.2
Chemicals and Allied Products	15.2	15.1	14.9	.1	.2
Rubber and Miscellaneous Plastics Products	11.0	10.6	12.0	.4	-.9
Miscellaneous Plastics Products	7.3	7.2	7.5	.1	-.2
Service-Producing Industries	724.6	716.0	719.0	8.6	5.6
Transportation and Public Utilities	43.5	43.2	43.2	.3	.3
Transportation	26.4	26.1	25.5	.3	.9
Trucking and Warehousing	11.6	11.5	11.4	.1	.1
Transportation by Air	5.6	5.5	5.3	.1	.3
Communications, Electric, Gas Services	17.1	17.1	17.7	.0	-.6
Communications	10.1	10.1	10.4	.0	-.3
Electric, Gas, and Sanitary Services	7.0	7.0	7.3	.0	-.3
Wholesale Trade	65.6	64.9	65.8	.7	-.1
Wholesale Trade-Durable Goods	44.9	44.4	45.0	.5	-.1
Motor Vehicles, Parts, and Supplies	4.1	4.0	4.2	.1	-.1
Professional and Commercial Equipment	8.9	8.9	9.2	.0	-.3
Retail Trade	165.3	162.9	164.4	2.4	.9
General Merchandise Stores	19.5	19.3	20.5	.2	-1.0
Finance, Insurance, and Real Estate	59.0	58.3	58.5	.7	.4
Finance	27.7	27.5	28.0	.2	-.3
Depository Institutions	20.5	20.2	20.6	.3	-.2
Commercial Banks	13.0	12.8	13.2	.2	-.2
Insurance	19.5	19.3	19.1	.2	.4
Insurance Carriers	14.8	14.6	14.3	.2	.4
Fire, Marine, and Casualty Insurance	6.5	6.4	6.4	.1	.2
Services	269.2	265.7	264.1	3.5	5.1
Business Services	53.7	52.9	53.4	.9	.4
Personnel Supply Services	19.4	19.1	19.9	.3	-.5
Computer and Data Processing Services	7.0	6.9	6.7	.1	.3
Amusements, Including Motion Pictures	13.6	12.5	13.8	1.1	-.2
Health Services	82.2	81.6	80.3	.6	1.9
Nursing and Personal Care Facilities	14.8	14.6	14.4	.2	.4
Hospitals	43.6	43.5	43.2	.1	.4
Legal Services	10.4	10.0	10.0	.4	.3
Educational Services	16.7	17.8	17.0	-1.1	-.4
Social Services	16.0	16.0	15.0	.0	1.0
Residential Care	4.5	4.4	4.2	.0	.3
Engineering and Management Services	23.4	23.0	22.5	.4	.9
Engineering and Architectural Services	8.8	8.7	8.3	.1	.5
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.2	.1	.2
Management and Public Relations	5.4	5.3	5.1	.1	.3
Government	122.0	121.0	123.1	1.0	-1.1
Federal Government	19.6	19.5	21.1	.1	-1.5
State Government	9.2	8.6	8.7	.6	.5
State Government Education[h]	3.9	3.5	3.5	.3	.4
Local Government	93.2	92.9	93.3	.3	-.1
Local Government Education	44.7	46.6	45.1	-1.9	-.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

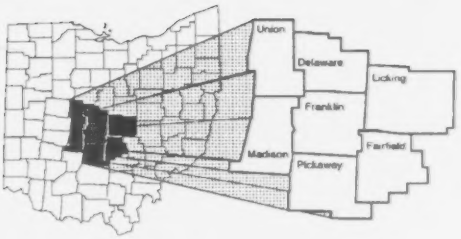
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$536.78	$515.43	$534.25	42.4	41.4	43.4	$12.66	$12.45	$12.31
Durable Goods[f]	569.75	542.56	574.54	43.0	41.8	44.4	13.25	12.98	12.94
Stone, Clay, and Glass Products	502.02	500.91	495.33	41.8	42.2	41.8	12.01	11.87	11.85
Primary Metal Industries	586.94	545.65	573.50	44.6	43.1	45.3	13.16	12.66	12.66
Iron and Steel Foundries	862.87	793.78	999.44	45.2	43.0	52.0	19.09	18.46	19.22
Fabricated Metal Products	586.94	544.74	559.82	43.9	42.0	43.6	13.37	12.97	12.84
Screw Machine Products, Bolts, etc.	547.24	514.31	547.80	44.6	42.4	44.0	12.27	12.13	12.45
Metal Forgings and Stampings	739.35	678.11	717.54	45.0	43.0	45.5	16.43	15.77	15.77
Industrial Machinery and Equipment	512.68	519.82	578.93	42.3	42.4	46.5	12.12	12.26	12.45
Metalworking Machinery	469.45	481.44	587.25	40.4	40.8	47.9	11.62	11.80	12.26
Electronic and Other Electric Equipment	431.08	405.79	414.40	40.1	38.5	40.0	10.75	10.54	10.36
Electrical Industrial Apparatus	442.05	437.41	459.17	41.9	41.5	43.4	10.55	10.54	10.58
Electric Lighting and Wiring Equipment	399.60	398.77	367.00	36.0	35.7	36.7	11.10	11.17	10.00
Transportation Equipment	796.09	747.86	806.75	44.4	42.3	46.1	17.93	17.68	17.50
Motor Vehicles and Equipment	888.29	815.35	919.20	45.6	42.4	47.9	19.48	19.23	19.19
Instruments and Related Products	434.16	445.54	454.16	40.2	40.8	41.4	10.80	10.92	10.97
Measuring and Controlling Devices	442.82	442.54	461.47	40.7	40.6	41.8	10.88	10.90	11.04
Nondurable Goods[g]	457.97	451.58	437.72	41.0	40.5	41.1	11.17	11.15	10.65
Food and Kindred Products	456.67	449.30	438.59	39.3	38.9	39.3	11.62	11.55	11.16
Apparel and Other Textile Products	426.54	416.07	369.08	40.7	40.2	37.7	10.48	10.35	9.79
Paper and Allied Products	512.90	499.90	501.16	43.8	42.8	44.0	11.71	11.68	11.39
Printing and Publishing	373.22	383.88	396.79	36.2	36.7	38.3	10.31	10.46	10.36
Chemicals and Allied Products	590.04	583.68	540.59	44.0	43.3	42.3	13.41	13.48	12.78
Rubber and Miscellaneous Plastics Products	387.69	385.63	381.78	41.2	41.2	42.8	9.41	9.36	8.92
Miscellaneous Plastics Products	390.86	403.01	380.84	40.8	42.2	42.6	9.58	9.55	8.94
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	550.37	531.43	504.27	37.8	36.3	36.2	14.56	14.64	13.93
Communications, Electric, Gas Services	702.60	688.79	621.68	44.3	43.9	40.5	15.86	15.69	15.35
Wholesale Trade	477.53	477.50	466.09	39.4	39.3	39.6	12.12	12.15	11.77
Retail Trade[j]	202.60	200.20	192.64	28.1	27.5	28.0	7.21	7.28	6.88
General Merchandise Stores	206.15	203.19	186.73	29.2	28.3	27.5	7.06	7.18	6.79
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	334.14	334.69	319.30	....	....	....	.....	.....	.....
Depository Institutions	306.44	303.94	293.05	....	....	....	.....	.....	.....
Commercial Banks	288.49	284.57	285.75	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	343.79	342.99	337.90	31.0	30.9	31.2	11.09	11.10	10.83
Nursing and Personal Care Facilities	260.84	254.17	243.76	33.7	33.4	33.3	7.74	7.61	7.32
Hospitals	381.22	380.57	372.10	30.4	30.3	30.4	12.54	12.56	12.24

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Columbus Metropolitan Statistical Area

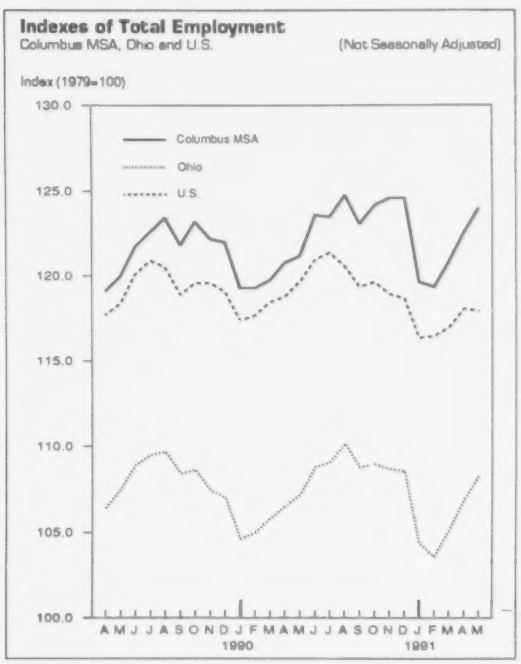


In the Columbus metropolitan area, nonfarm payroll employment rose 8,000 above the May level to 742,500 in June 1991. Employment in the service-producing sector increased 5,800 primarily due to seasonal gains in services, state government, and retail trade. More business in construction and improvements in manufacturing, especially electronic and other electric equipment, raised employment in goods-producing industries 2,200 to 136,600. Factory production workers averaged $12.88 per hour, down fractionally from May. Their average workweek of 42.6 hours was 0.4 hours longer.

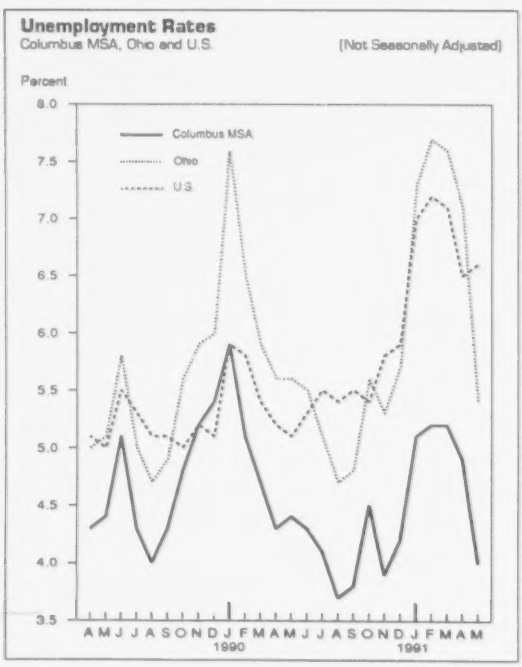
Nonagricultural wage and salary employment advanced 10,500 between June 1990 and June 1991. Expansion in service-producing industries created 11,000 jobs. The leading growth industry was services, most notably business services (+3,700) and health services (+1,900). Moderate gains were posted in local and state schools and colleges and in retail trade. Reductions in manufacturing lowered employment in goods-producing industries 500. Over-the-year cutbacks in fabricated metal products, industrial machinery and equipment, and instruments and related products negated improvements in electronic and other electric equipment and food and kindred products.

Seasonally adjusted employment in the Columbus area increased 3,000 from May to 735,000 in June 1991 mainly due to gains in manufacturing, retail trade, and government. Since June 1990, nonfarm payroll employment advanced 10,000. Services added 8,000 employees; government went up 2,000; and retail trade rose 1,000.

Indexes of Total Employment
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
733.7	698.9	34.8	4.7	1989	704.7	104.9	69.5	500.82	41.7	12.01
739.5	706.9	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
745.8	713.6	32.2	4.3	June	731.9	105.3	70.3	520.80	42.0	12.40
744.1	713.2	30.9	4.1	July	722.0	103.8	68.7	524.15	42.1	12.45
748.3	720.9	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
739.5	711.1	28.4	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
750.9	717.2	33.7	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
748.9	719.6	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
751.7	719.8	31.9	4.2	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
728.4	691.4	37.0	5.1	January	717.4	104.3	69.3	529.59	41.7	12.70
727.5	689.6	38.0	5.2	February	717.7	103.6	68.9	524.10	41.3	12.69
736.7	698.3	38.4	5.2	March	722.6	103.6	69.0	537.13	41.8	12.85
744.5	707.9	36.6	4.9	April	727.5	103.7	69.0	541.80	42.0	12.90
745.5	716.1	29.5	4.0	May	734.5	104.0	69.4	544.80	42.2	12.91
INA	INA	INA	INA	June	742.5	104.7	69.9	548.69	42.6	12.88

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	[illegible]	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
725	136	30	105	June	589	31	36	148	61	183	130
725	134	29	104	July	592	31	36	148	61	184	131
726	135	29	105	August	591	31	36	149	61	185	130
726	135	29	105	September	591	31	36	149	61	185	130
727	135	29	105	October	592	31	36	149	61	186	130
727	134	29	104	November	593	31	36	149	61	186	130
728	134	29	104	December	593	31	36	149	61	187	130
				1991							
729	135	29	105	January	594	31	36	149	61	187	130
729	134	29	105	February	595	31	36	148	61	188	131
731	135	30	104	March	596	31	36	149	61	189	130
730	135	30	104	April	595	31	36	148	61	190	130
732	135	30	104	May	598	31	36	148	61	191	131
735	135	30	105	June	600	31	36	149	61	191	132

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	742.5	734.5	731.9	8.0	10.5
Goods-Producing Industries[e]	136.6	134.4	137.1	2.2	-.5
Construction	31.0	29.5	30.9	1.4	.1
Manufacturing	104.7	104.0	105.3	.7	-.6
Durable Goods[f]	66.1	65.5	66.7	.6	-.7
Stone, Clay, and Glass Products	9.3	9.2	9.5	.1	-.2
Glass and Glassware, Pressed or Blown	3.5	3.6	3.6	-.1	-.1
Fabricated Metal Products	8.9	9.0	9.9	-.1	-1.0
Industrial Machinery and Equipment	9.5	9.6	10.0	-.1	-.5
Electronic and Other Electric Equipment	10.5	10.1	9.4	.4	1.1
Transportation Equipment	15.8	15.7	15.6	.1	.2
Motor Vehicles and Equipment	14.1	14.1	13.9	.1	.2
Instruments and Related Products	4.1	4.1	4.5	.0	-.4
Nondurable Goods[g]	38.6	38.5	38.5	.2	.1
Food and Kindred Products	11.1	11.0	10.4	.1	.7
Dairy Products	4.2	4.2	3.8	.0	.4
Printing and Publishing	10.9	10.8	10.7	.1	.2
Chemicals and Allied Products	6.7	6.6	7.0	.1	-.3
Rubber and Miscellaneous Plastics Products	6.1	6.1	6.1	.0	.0
Service-Producing Industries	605.9	600.1	594.9	5.8	11.0
Transportation and Public Utilities	30.8	30.6	30.8	.2	.0
Transportation	18.1	17.9	18.1	.2	.0
Trucking and Warehousing	13.0	12.9	12.8	.1	.1
Communications, Electric, Gas Services	12.8	12.7	12.7	.0	.0
Communications	8.0	8.0	7.9	.0	.1
Electric, Gas, and Sanitary Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	36.5	36.2	36.2	.3	.3
Wholesale Trade-Durable Goods	22.8	22.7	23.1	.1	-.2
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.1	.0	.0
Machinery, Equipment, and Supplies	5.0	4.9	5.2	.0	-.3
Wholesale Trade-Nondurable Goods	13.7	13.5	13.2	.2	.5
Retail Trade	148.6	147.7	147.6	.9	1.0
General Merchandise Stores	20.6	20.5	20.6	.1	.0
Food Stores	16.2	16.1	17.1	.1	-1.0
Automotive Dealers and Service Stations	14.4	14.3	14.2	.1	.3
Finance, Insurance, and Real Estate	61.5	60.9	61.3	.6	.2
Finance	24.4	24.1	24.6	.3	-.1
Depository Institutions	13.6	13.4	14.0	.2	-.4
Commercial Banks	11.5	11.3	11.5	.2	.0
Insurance	27.1	27.0	27.2	.0	-.1
Insurance Carriers	23.0	23.0	23.2	.1	-.2
Services	193.5	191.3	185.3	2.2	8.2
Business Services	45.8	45.0	42.2	.8	3.7
Personnel Supply Services	19.2	18.7	16.7	.5	2.5
Health Services	48.4	48.0	46.5	.4	1.9
Nursing and Personal Care Facilities	8.6	8.6	8.2	.0	.4
Hospitals	22.5	22.3	21.9	.2	.6
Legal Services	4.8	4.6	4.7	.1	.1
Educational Services	6.6	7.5	7.0	-.9	-.4
Social Services	13.9	13.8	13.1	.0	.8
Engineering and Management Services	18.8	18.7	18.3	.1	.5
Engineering and Architectural Services	5.4	5.3	5.0	.1	.4
Accounting, Auditing, and Bookkeeping	3.9	3.9	3.8	.0	.1
Research and Testing Services	5.8	5.8	5.9	.0	.0
Government	134.9	133.3	133.5	1.6	1.4
Federal Government	15.5	15.6	17.5	.0	-2.0
State Government	59.9	58.4	58.6	1.5	1.2
State Government Education[h]	25.8	25.2	24.6	.6	1.3
Local Government	59.5	59.3	57.3	.1	2.2
Local Government Education	35.8	35.5	34.2	.8	1.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

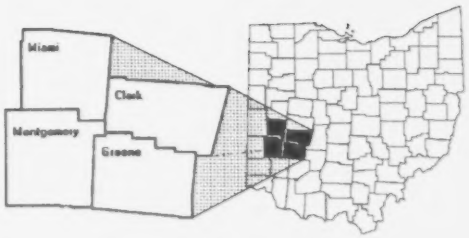
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$548.69	$544.80	$520.80	42.6	42.2	42.0	$12.88	$12.91	$12.40
Durable Goods[f]	572.45	568.89	538.48	43.4	43.0	42.3	13.19	13.23	12.73
Stone, Clay, and Glass Products	554.27	547.12	519.09	44.2	43.7	42.9	12.54	12.52	12.10
Glass and Glassware, Pressed or Blown	490.36	475.69	468.15	42.2	41.4	42.1	11.62	11.49	11.12
Fabricated Metal Products	554.76	561.26	541.73	41.4	42.2	41.8	13.40	13.30	12.96
Industrial Machinery and Equipment	561.98	525.84	535.62	43.7	41.7	43.3	12.86	12.61	12.37
Electronic and Other Electric Equipment	565.07	550.41	493.29	43.4	42.8	40.6	13.02	12.86	12.15
Transportation Equipment	668.42	685.35	631.31	44.8	45.0	43.3	14.92	15.23	14.58
Motor Vehicles and Equipment	679.95	697.89	637.11	45.0	45.2	43.4	15.11	15.44	14.68
Instruments and Related Products	432.95	431.03	445.63	40.2	39.8	41.3	10.77	10.83	10.79
Nondurable Goods[g]	504.70	496.53	484.79	41.2	40.5	41.4	12.25	12.26	11.71
Food and Kindred Products	452.28	445.67	435.97	41.8	41.0	41.6	10.82	10.87	10.48
Dairy Products	656.88	606.05	610.16	46.0	42.8	44.7	14.28	14.16	13.65
Printing and Publishing	577.24	577.71	554.58	39.7	39.3	40.1	14.54	14.70	13.83
Chemicals and Allied Products	638.43	636.13	615.08	41.7	41.2	41.7	15.31	15.44	14.75
Rubber and Miscellaneous Plastics Products	400.57	393.16	395.85	41.0	40.7	41.8	9.77	9.66	9.47
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	457.76	450.92	463.99	34.6	34.5	35.5	13.23	13.07	13.07
Communications, Electric, Gas Services	681.77	682.65	682.21	43.9	43.9	43.9	15.53	15.55	15.54
Communications	693.06	694.40	594.61	44.8	44.8	39.8	15.47	15.50	14.94
Electric, Gas, and Sanitary Services	665.13	663.56	826.92	42.5	42.4	50.7	15.65	15.65	16.31
Wholesale Trade	424.83	417.40	400.72	39.3	38.9	38.2	10.81	10.73	10.49
Retail Trade[i]	193.48	188.19	183.58	27.6	27.0	27.4	7.01	6.97	6.70
General Merchandise Stores	236.10	229.80	203.49	30.0	29.2	28.5	7.87	7.87	7.14
Food Stores	196.73	191.44	192.36	27.6	26.7	28.0	7.13	7.17	6.87
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	491.38	491.60	454.31	....	....	....	.....	.....	.....
Depository Institutions	303.69	304.47	295.94	....	....	....	.....	.....	.....
Commercial Banks	302.38	304.33	292.91	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	247.59	248.54	232.31	31.5	31.5	32.4	7.86	7.89	7.17
Hospitals	393.77	393.92	405.95	33.8	33.9	34.2	11.65	11.62	11.87
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	524.76	524.72	488.36	38.9	39.1	39.1	13.49	13.42	12.49

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Dayton-Springfield Metropolitan Statistical Area

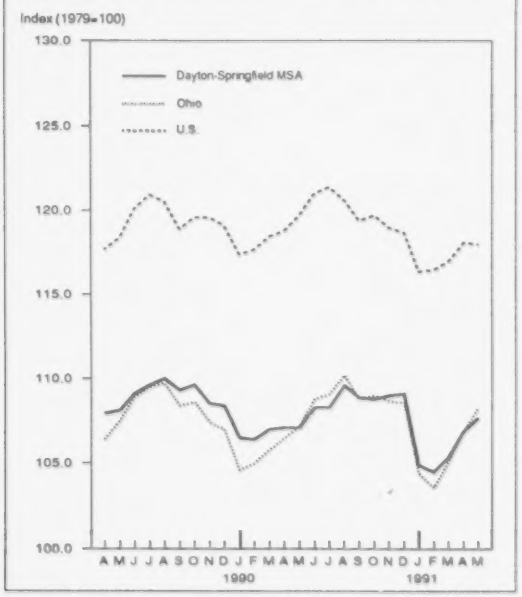


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area totaled 453,800 in June 1991, up 500 from May. More business in construction and scattered increases in manufacturing raised employment in goods-producing industries 1,000 to 116,000. The number of jobs in service-producing industries decreased 500 over the month. Seasonal layoffs of nonteaching personnel in local and private schools and colleges outweighed modest gains in services and retail trade. Manufacturing production workers averaged $14.03 per hour, up 22 cents from May. Their average workweek of 42.4 hours was 0.9 hours longer.

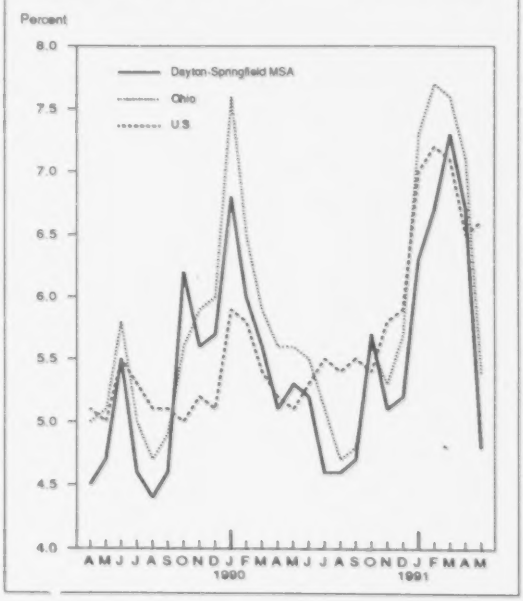
Nonfarm wage and salary employment declined 1,500 between June 1990 and June 1991. Significant over-the-year cutbacks in durable-goods manufacturing lowered employment in goods-producing industries 5,600. Industrial machinery and equipment lost 2,300 jobs; transportation equipment was down 1,100. The workforce in service-producing industries advanced 4,100 during the period. Noteworthy expansion occurred in services, especially business services and health services, and in retail trade. Employment in federal government declined from the year-ago level primarily due to the temporary hiring of census workers in 1990.

Seasonally adjusted employment in the Dayton-Springfield area decreased 1,000 from May to 451,000 in June 1991. Declines were posted in manufacturing and government. Since June 1990, nonfarm payroll employment dropped 2,000. A reduction in manufacturing (-6,000) overshadowed scattered gains in service-producing industries.

Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.2	453.8	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
476.8	451.5	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
477.8	452.8	25.0	5.2	June	455.3	104.3	67.8	605.68	43.7	13.86
474.5	452.6	21.9	4.6	July	449.6	103.9	67.0	570.54	42.2	13.52
480.1	458.0	22.1	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
477.3	455.0	22.3	4.7	September	456.3	103.2	66.9	590.04	43.1	13.69
482.1	454.7	27.4	5.7	October	456.4	102.6	66.8	580.98	42.5	13.67
480.2	455.8	24.4	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
480.9	456.0	24.9	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
468.2	438.6	29.6	6.3	January	445.6	100.1	64.6	562.51	41.3	13.62
468.1	436.7	31.4	6.7	February	445.1	98.7	63.3	545.66	40.6	13.44
475.2	440.5	34.7	7.3	March	446.0	96.9	61.6	551.86	41.0	13.46
478.7	446.8	31.9	6.7	April	449.7	97.4	62.1	562.63	41.4	13.59
472.5	450.0	22.5	4.8	May	453.3	98.7	63.6	573.12	41.5	13.61
INA	INA	INA	INA	June	453.8	99.0	63.7	594.87	42.4	14.03

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
453	120	16	104	June	333	18	20	82	17	118	77
453	120	16	103	July	333	18	20	82	17	118	77
453	119	16	103	August	334	18	20	82	17	118	78
452	118	16	102	September	334	19	20	82	17	119	77
452	118	15	102	October	334	18	20	82	17	119	77
452	117	15	101	November	334	19	20	82	17	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
451	117	15	101	January	334	18	20	83	18	119	77
452	116	16	100	February	336	18	20	83	18	120	77
450	114	16	98	March	336	19	20	83	18	120	77
450	114	16	98	April	336	19	20	83	18	120	76
452	115	16	99	May	337	19	20	83	18	121	77
451	115	16	98	June	337	19	20	83	18	121	76

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	453.8	453.3	455.3	.5	-1.5
Goods-Producing Industries[e]	116.0	115.0	121.6	1.0	-5.6
Construction	16.5	15.9	16.9	.7	-.4
Manufacturing	99.0	98.7	104.3	.3	-5.2
Durable Goods[f]	69.9	69.7	74.9	.2	-5.0
Fabricated Metal Products	7.8	7.7	8.4	.1	-.7
Industrial Machinery and Equipment	29.2	29.1	31.5	.1	-2.3
Metalworking Machinery	7.6	7.6	8.5	.0	-.9
General Industrial Machinery	2.7	2.7	2.9	.0	-.2
Electronic and Other Electric Equipment	3.3	3.4	3.5	-.1	-.2
Transportation Equipment	20.9	20.8	22.0	.1	-1.1
Motor Vehicles and Equipment	18.2	18.1	18.8	.2	-.5
Nondurable Goods[g]	29.2	29.0	29.4	.2	-.2
Food and Kindred Products	2.8	2.8	2.6	.0	.2
Paper and Allied Products	6.3	6.3	6.3	.1	.0
Printing and Publishing	8.6	8.6	8.9	.0	-.4
Rubber and Miscellaneous Plastics Products	7.8	7.7	7.9	.1	-.1
Service-Producing Industries	337.8	338.3	333.7	-.5	4.1
Transportation and Public Utilities	18.9	18.8	18.3	.1	.6
Transportation	12.4	12.2	11.9	.1	.5
Trucking and Warehousing	6.0	5.9	6.1	.1	-.1
Communications, Electric, Gas Services	6.5	6.5	6.5	.0	.1
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	20.2	20.0	20.3	.2	-.1
Wholesale Trade-Durable Goods	13.7	13.5	13.9	.2	-.2
Wholesale Trade-Nondurable Goods	6.5	6.5	6.4	.0	.1
Retail Trade	84.0	83.4	82.6	.6	1.4
General Merchandise Stores	12.6	12.6	12.6	.0	.0
Finance, Insurance, and Real Estate	17.9	17.7	17.5	.2	.4
Finance	9.7	9.6	9.5	.1	.2
Depository Institutions	7.4	7.4	7.3	.0	.2
Insurance	4.7	4.6	4.3	.0	.3
Services	121.2	120.3	117.9	.9	3.3
Business Services	25.0	24.7	23.8	.3	1.2
Personnel Supply Services	7.6	7.5	6.9	.1	.7
Computer and Data Processing Services	6.2	6.1	5.8	.0	.3
Health Services	40.1	39.9	39.0	.3	1.1
Nursing and Personal Care Facilities	7.1	7.1	6.9	.0	.2
Hospitals	20.1	20.0	19.7	.1	.4
Educational Services	6.6	7.6	6.5	-1.1	.1
Social Services	6.6	6.6	6.3	.0	.3
Engineering and Management Services	10.5	10.4	10.5	.1	.0
Research and Testing Services	3.2	3.1	3.2	.1	.0
Government	75.6	78.1	77.0	-2.5	-1.5
Federal Government	28.2	28.2	29.2	.1	-1.0
State Government	7.5	7.4	7.6	.1	.0
State Government Education[h]	4.6	4.6	4.5	.0	.1
Local Government	39.8	42.4	40.2	-2.7	-.4
Local Government Education	23.4	26.7	23.7	-3.3	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

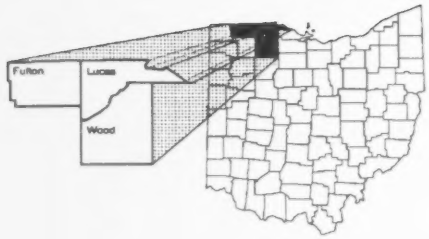
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$594.87	$573.12	$605.68	42.4	41.5	43.7	$14.03	$13.81	$13.86
Durable Goods[f]	620.33	591.89	631.28	42.9	41.8	44.3	14.46	14.16	14.25
Fabricated Metal Products	404.97	407.18	421.10	40.7	40.8	41.9	9.95	9.98	10.05
Industrial Machinery and Equipment	642.06	630.63	606.30	43.5	42.9	43.0	14.76	14.70	14.10
Metalworking Machinery	588.20	568.89	598.07	43.7	43.0	44.9	13.46	13.23	13.32
General Industrial Machinery	573.30	565.90	545.66	45.5	45.2	45.7	12.60	12.52	11.94
Electronic and Other Electric Equipment	386.37	374.10	387.50	41.5	41.2	43.2	9.31	9.08	8.97
Transportation Equipment	792.48	728.64	855.36	44.1	41.9	48.0	17.97	17.39	17.82
Motor Vehicles and Equipment	811.07	738.51	880.76	44.2	41.7	48.5	18.35	17.71	18.16
Nondurable Goods[g]	527.67	527.20	531.72	41.0	40.9	42.1	12.87	12.89	12.63
Food and Kindred Products	359.09	352.55	367.85	40.6	40.2	41.1	8.82	8.77	8.95
Paper and Allied Products	511.97	513.83	505.12	42.7	42.5	44.0	11.99	12.09	11.48
Printing and Publishing	465.21	468.81	455.12	38.8	39.1	38.8	11.99	11.99	11.73
Rubber and Miscellaneous Plastics Products	682.00	683.30	712.34	40.0	40.1	42.2	17.05	17.04	16.88
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	610.75	617.11	565.21	41.1	41.5	40.2	14.86	14.87	14.06
Communications	635.62	646.67	566.35	41.9	42.6	39.8	15.17	15.18	14.23
Wholesale Trade	396.31	388.39	398.59	39.2	38.8	39.7	10.11	10.01	10.04
Retail Trade[i]	183.86	183.58	177.37	28.2	28.2	28.7	6.52	6.51	6.18
General Merchandise Stores	194.82	203.82	182.17	28.4	29.2	28.2	6.86	6.98	6.46
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	282.23	279.10	273.38	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	420.70	427.61	416.93	33.9	34.1	34.6	12.41	12.54	12.05

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

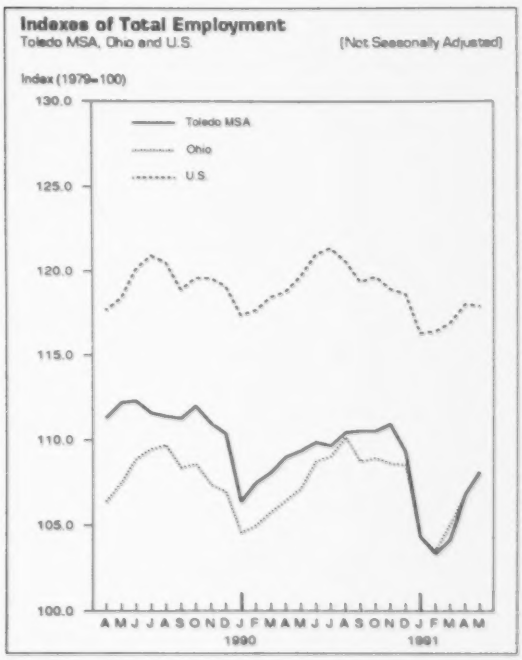
Toledo Metropolitan Statistical Area

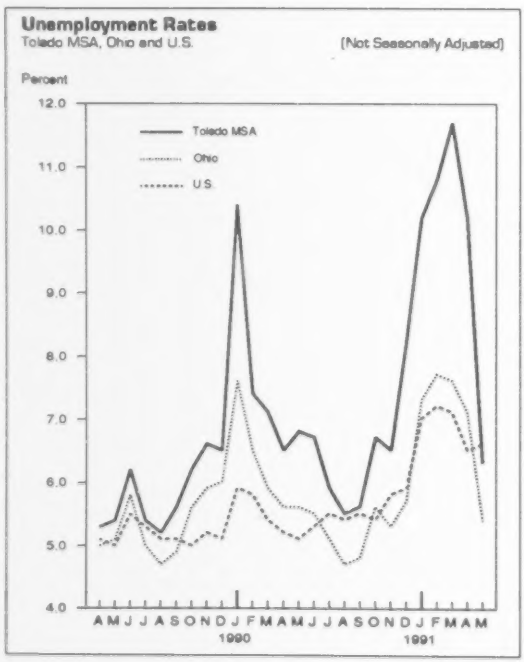


Nonagricultural payroll employment in the Toledo metropolitan area rose 3,300 above the May level to 292,100 in June 1991. The recall of workers from temporary layoffs in durable-goods manufacturing, particularly in transportation equipment (+4,500), helped raise employment in goods-producing industries 5,200 over the month to 70,300. The number of jobs in service-producing industries declined 1,900. Seasonal layoffs of nonteaching personnel in state schools and colleges outweighed more business in services. Manufacturing production workers averaged $13.96 per hour, up 40 cents from May. Their average workweek increased fractionally to 42.2 hours.

Nonfarm wage and salary employment dropped 1,000 between June 1990 and June 1991. Over-the-year reductions among manufacturers of durable goods lowered employment in goods-producing industries 2,800. Noteworthy reductions were posted in stone, clay, and glass products and in transportation equipment. Expansion in the service-producing sector created 1,800 jobs. Significant growth in services more than offset scattered declines.

Seasonally adjusted employment in the Toledo area advanced 4,000 from May to 291,000 in June 1991 mainly due to the recall of manufacturing workers. Since June 1990, nonfarm payroll employment decreased 1,000. Reductions in manufacturing, construction, transportation and public utilities, and retail trade offset expansion in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
316.2	297.4	18.8	6.0	1989	291.9	61.5	43.9	576.81	43.5	13.26
313.9	292.1	21.8	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
314.9	293.7	21.2	6.7	June	293.1	60.7	43.7	585.90	43.4	13.50
311.6	293.1	18.5	5.9	July	288.9	60.4	43.4	576.09	42.8	13.46
312.3	295.2	17.1	5.5	August	288.4	60.4	43.5	584.87	43.1	13.57
312.9	295.4	17.5	5.6	September	294.4	61.1	44.2	610.94	44.4	13.76
316.7	295.4	21.2	6.7	October	294.8	59.5	42.8	585.30	43.1	13.58
317.3	296.6	20.7	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
318.4	292.3	26.1	8.2	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
310.7	279.0	31.7	10.2	January	281.7	53.9	37.2	566.95	42.5	13.34
309.6	276.2	33.4	10.8	February	280.0	52.9	36.2	561.26	42.2	13.30
315.2	278.4	36.8	11.7	March	280.4	50.1	33.5	549.87	42.2	13.03
318.2	285.6	32.6	10.2	April	285.7	53.1	36.5	570.97	42.2	13.53
308.5	289.1	19.4	6.3	May	288.9	53.4	36.8	570.88	42.1	13.56
INA	INA	INA	INA	June	292.1	58.3	41.6	589.11	42.2	13.96

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
292	72	12	60	June	220	15	15	57	12	76	44
292	72	12	60	July	220	15	15	57	12	77	44
292	72	12	60	August	220	15	15	57	12	77	44
291	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	220	15	15	57	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
287	67	11	56	December	220	15	15	56	12	78	44
				1991							
287	66	11	55	January	221	15	15	56	12	78	44
285	65	11	54	February	220	15	15	56	12	78	43
283	62	11	51	March	221	15	15	56	12	79	44
286	65	11	53	April	221	15	15	56	12	79	44
287	65	11	54	May	222	15	15	56	12	79	44
291	70	11	58	June	222	14	15	56	12	80	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	292.1	288.9	293.1	3.3	-1.0
Goods-Producing Industries[e]	70.3	65.2	73.1	5.2	-2.8
Construction	11.8	11.6	12.2	.3	-.3
Manufacturing	58.3	53.4	60.7	4.9	-2.4
Durable Goods[f]	43.3	38.7	45.6	4.6	-2.3
Stone, Clay, and Glass Products	7.3	7.4	8.2	-.2	-1.0
Primary Metal Industries	3.0	3.0	3.2	.0	-.1
Fabricated Metal Products	6.4	6.2	6.8	.2	-.4
Metal Forgings and Stampings	2.5	2.3	2.6	.2	-.1
Industrial Machinery and Equipment	5.7	5.7	5.7	.1	.0
Transportation Equipment	13.6	9.2	14.6	4.5	-1.0
Nondurable Goods[g]	15.0	14.7	15.1	.3	-.1
Food and Kindred Products	3.8	3.6	3.8	.2	.0
Rubber and Miscellaneous Plastics Products	3.7	3.7	3.8	.0	-.1
Service-Producing Industries	221.8	223.7	220.0	-1.9	1.8
Transportation and Public Utilities	14.5	14.7	14.9	-.2	-.3
Transportation	9.8	9.9	10.1	-.2	-.4
Communications, Electric, Gas Services	4.8	4.8	4.7	.0	.0
Wholesale Trade	15.1	15.1	15.4	.1	-.2
Wholesale Trade-Durable Goods	9.8	9.8	9.9	.0	-.1
Wholesale Trade-Nondurable Goods	5.3	5.3	5.4	.0	-.1
Retail Trade	56.7	56.3	57.6	.4	-.8
General Merchandise Stores	8.2	8.2	8.5	.0	-.3
Finance, Insurance, and Real Estate	12.2	12.2	12.2	.0	.0
Finance	6.2	6.2	6.2	.0	.0
Insurance	3.8	3.8	3.8	.0	.0
Services	80.8	79.7	77.4	1.1	3.4
Business Services	13.2	12.8	12.9	.3	.3
Personnel Supply Services	5.1	4.9	4.9	.2	.2
Health Services	29.3	29.0	27.9	.2	1.3
Nursing and Personal Care Facilities	4.2	4.1	4.0	.1	.1
Hospitals	15.7	15.8	15.2	-.1	.5
Engineering and Management Services	6.4	6.3	6.0	.1	.4
Government	42.5	45.9	42.6	-3.4	-.1
Federal Government	2.4	2.4	2.9	.0	-.4
State Government	14.5	17.8	14.3	-3.3	.3
State Government Education[h]	10.2	13.5	9.8	-3.3	.4
Local Government	25.6	25.7	25.5	-.1	.0
Local Government Education	14.9	15.2	14.6	-.3	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

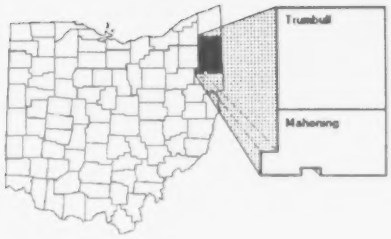
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$589.11	$570.88	$585.90	42.2	42.1	43.4	$13.96	$13.56	$13.50
Durable Goods[f]	594.87	566.81	592.34	42.1	41.8	43.3	14.13	13.56	13.68
Stone, Clay, and Glass Products	517.93	523.98	559.95	40.4	41.0	44.3	12.82	12.78	12.64
Primary Metal Industries	548.57	548.11	560.48	45.6	45.6	47.7	12.03	12.02	11.75
Fabricated Metal Products	549.55	521.42	505.47	42.9	42.6	43.5	12.81	12.24	11.62
Metal Forgings and Stampings	764.62	695.56	703.95	44.3	41.7	43.4	17.26	16.68	16.22
Industrial Machinery and Equipment	502.44	470.05	520.37	41.8	39.7	43.4	12.02	11.84	11.99
Transportation Equipment	737.26	756.00	749.49	41.7	42.0	43.0	17.68	18.00	17.43
Nondurable Goods[g]	569.86	581.72	563.73	42.4	42.9	43.7	13.44	13.56	12.90
Food and Kindred Products	763.50	777.78	673.60	47.6	47.6	46.2	16.04	16.34	14.58
Rubber and Miscellaneous Plastics Products	345.98	350.55	393.27	40.8	41.0	42.7	8.48	8.55	9.21
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	663.71	664.84	657.90	42.6	42.7	42.2	15.58	15.57	15.59
Wholesale Trade	423.20	421.60	418.00	39.7	40.0	40.0	10.66	10.54	10.45
Retail Trade[i]	175.34	174.80	163.96	27.1	27.1	27.1	6.47	6.45	6.05
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	355.16	349.17	357.92	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

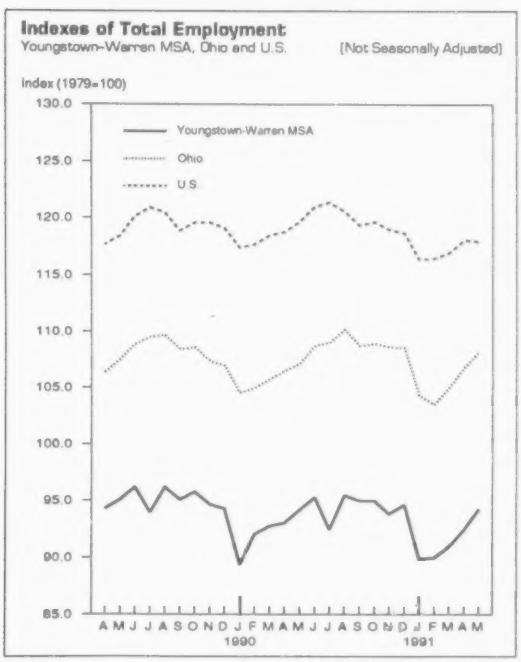
Youngstown-Warren Metropolitan Statistical Area

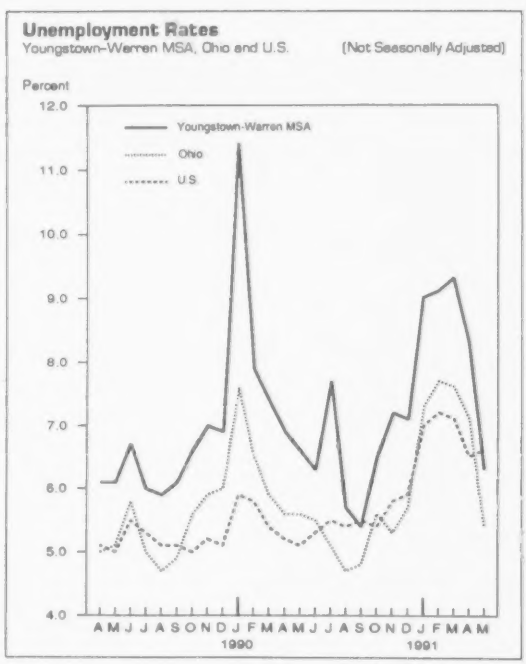


In the Youngstown-Warren metropolitan area, nonfarm payroll employment increased 900 above the May level to 200,300 in June 1991. More business in construction and improvements in manufacturing, particularly primary metal industries, raised employment in goods-producing industries 900 over the month to 56,900. The workforce in service-producing industries added 100 jobs. Gains in services and retail trade partially offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $15.58 per hour, up 34 cents from May. Their average workweek of 42.2 hours was 0.9 hours longer.

Nonagricultural wage and salary employment declined 1,700 between June 1990 and June 1991. The number of jobs in goods-producing industries dropped 2,900 due to scattered cutbacks among manufacturers of durable goods. Noteworthy reductions were posted in primary metal industries and transportation equipment. Expansion in services increased employment in the service-producing sector 1,200 over the year.

Seasonally adjusted employment in the Youngstown-Warren area totaled 197,000 in June 1991, unchanged from May. Since June 1990, nonfarm payroll employment fell 2,000. A decline in manufacturing overshadowed a modest gain in services.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.2	208.4	14.9	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
221.8	205.9	15.9	7.2	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
223.7	209.6	14.1	6.3	June	202.0	50.5	38.1	636.08	43.3	14.69
220.2	203.3	16.9	7.7	July	193.4	43.9	31.4	604.56	42.1	14.36
222.8	210.0	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
220.9	209.0	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
223.3	208.8	14.5	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
222.4	206.4	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
224.3	208.3	16.0	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
217.4	197.8	19.6	9.0	January	192.7	46.3	34.0	655.19	42.6	15.38
217.8	197.9	19.9	9.1	February	193.7	47.5	35.2	645.54	42.0	15.37
220.6	200.0	20.6	9.3	March	194.5	47.0	34.8	651.42	42.3	15.40
221.8	203.4	18.4	8.3	April	196.4	47.6	35.4	627.06	41.2	15.22
221.4	207.3	14.0	6.3	May	199.3	47.9	35.7	629.41	41.3	15.24
INA	INA	INA	INA	June	200.3	48.3	36.0	657.48	42.2	15.58

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
199	58	8	50	June	141	7	11	42	8	48	24
195	54	8	45	July	141	7	11	42	8	48	24
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	48	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
197	55	8	47	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
198	56	8	48	January	142	7	11	42	8	48	24
198	56	8	48	February	142	7	11	42	8	48	24
197	55	8	47	March	142	7	11	42	8	48	24
197	56	8	48	April	141	7	11	42	8	49	24
197	56	8	47	May	141	7	11	42	8	49	24
197	55	8	47	June	142	7	11	42	8	49	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	200.3	199.3	202.0	.9	-1.7
Goods-Producing Industries[e]	56.9	56.0	59.8	.9	-2.9
Construction	8.3	7.8	8.9	.5	-.7
Manufacturing	48.3	47.9	50.5	.4	-2.2
Durable Goods[f]	42.4	42.2	45.0	.2	-2.6
Primary Metal Industries	18.0	17.8	18.9	.2	-1.0
Blast Furnace and Basic Steel Products	6.3	6.4	6.5	-.1	-.2
Fabricated Metal Products	7.1	7.1	7.3	.1	-.1
Metal Forgings and Stampings	3.8	3.8	3.8	-.1	.0
Industrial Machinery and Equipment	3.9	4.0	4.3	-.1	-.4
Transportation Equipment	8.6	8.7	9.5	.0	-.8
Nondurable Goods[g]	5.9	5.7	5.5	.2	.4
Service-Producing Industries	143.4	143.3	142.2	.1	1.2
Transportation and Public Utilities	7.1	7.0	7.4	.1	-.2
Wholesale Trade	11.4	11.3	11.4	.1	.0
Wholesale Trade-Durable Goods	6.7	6.5	6.8	.1	-.1
Wholesale Trade-Nondurable Goods	4.8	4.8	4.6	.0	.1
Retail Trade	42.5	42.1	42.5	.4	.0
General Merchandise Stores	5.2	5.2	5.6	.0	-.4
Finance, Insurance, and Real Estate	8.4	8.3	8.5	.1	-.1
Finance	4.8	4.8	4.7	.0	.1
Services	49.6	49.1	48.4	.5	1.3
Health Services	21.8	21.6	21.5	.1	.3
Nursing and Personal Care Facilities	5.1	5.1	5.0	.0	.0
Hospitals	10.8	10.7	10.7	.1	.1
Government	24.3	25.5	24.1	-1.2	.2
State Government	4.7	4.6	4.7	.2	.1
State Government Education[h]	3.2	3.1	3.1	.1	.1
Local Government	17.5	18.9	17.1	-1.3	.4
Local Government Education	10.7	12.0	10.2	-1.4	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

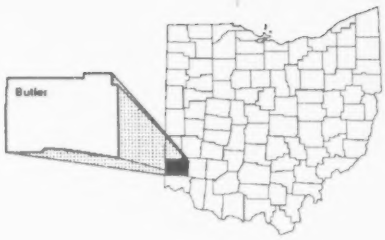
Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$657.48	$629.41	$636.08	42.2	41.3	43.3	$15.58	$15.24	$14.69
Durable Goods[f]	678.07	645.19	654.24	42.3	41.2	43.5	16.03	15.66	15.04
Primary Metal Industries	668.71	628.85	712.75	40.8	39.6	43.7	16.39	15.88	16.31
Blast Furnace and Basic Steel Products	618.99	613.11	670.18	43.9	43.7	46.8	14.10	14.03	14.32
Fabricated Metal Products	733.50	648.61	652.77	45.0	41.9	45.3	16.30	15.48	14.41
Metal Forgings and Stampings	916.43	777.32	805.16	46.9	42.2	48.3	19.54	18.42	16.67
Industrial Machinery and Equipment	477.46	487.18	519.16	39.2	39.9	41.8	12.18	12.21	12.42
Transportation Equipment	813.09	813.57	710.92	44.7	44.8	44.6	18.19	18.16	15.94
Nondurable Goods[g]	470.50	474.55	439.01	41.2	41.7	40.8	11.42	11.38	10.76
Wholesale Trade	400.98	391.65	375.44	37.9	37.3	38.0	10.58	10.50	9.88
Retail Trade[i]	190.03	187.82	178.85	27.5	27.3	27.6	6.91	6.88	6.48
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	233.82	232.65	225.10	....	....	....	.....	.....	.....

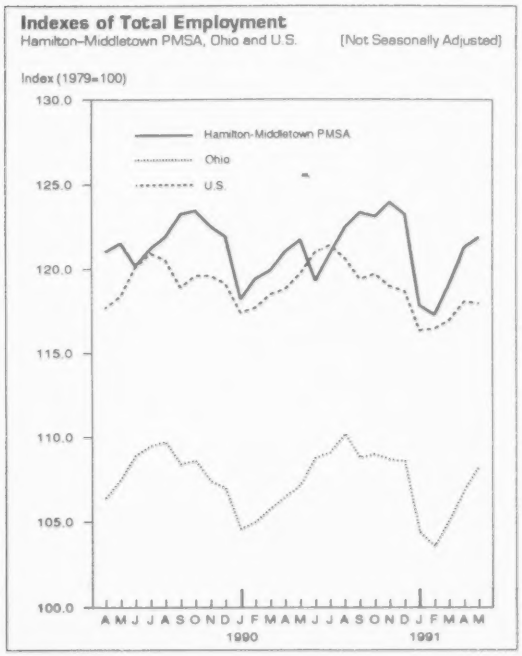
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

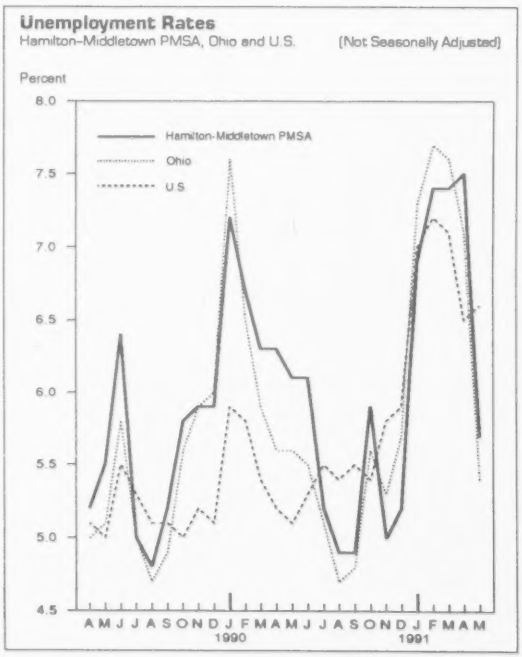
Hamilton-Middletown Primary Metropolitan Statistical Area



Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area fell 3,600 from the May level to 94,400 in June 1991. Seasonal layoffs of nonteaching personnel in state schools and colleges lowered employment in service-producing industries 3,600. Employment in the goods-producing sector rose 100 over the month to 26,400. Growth in construction and mining offset scattered declines in manufacturing, especially primary metal industries. Factory production workers averaged $15.02 per hour, up 24 cents from May. Their average workweek was 1.7 hours longer at 47.3 hours.

Nonfarm wage and salary employment advanced 200 between June 1990 and June 1991. Expansion in local schools and in services raised employment in the service-producing sector 1,400. Goods-producing industries lost 1,200 jobs mainly due to cutbacks in manufacturing. Over-the-year reductions occurred in fabricated metal products and primary metal industries.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Civilian Labor Force	132.8	134.7	133.1	-1.9	-.3
Employment	125.2	124.6	125.0	.6	.2
Unemployment	7.6	10.1	8.1	-2.5	-.5
Unemployment Rate	5.7	7.5	6.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	94.4	98.0	94.2	-3.6	.2
Goods–Producing Industries	26.4	26.3	27.6	.1	-1.2
Construction and Mining	6.1	5.8	6.2	.2	-.1
Manufacturing	20.3	20.5	21.3	-.2	-1.0
Durable Goods	14.1	14.2	15.0	-.1	-.9
Primary Metal Industries	6.2	6.3	6.4	-.1	-.2
Fabricated Metal Products	2.3	2.3	2.6	.0	-.3
Industrial Machinery and Equipment	2.3	2.3	2.4	.0	-.1
Nondurable Goods	6.2	6.3	6.4	-.1	-.2
Paper and Allied Products	4.4	4.4	4.6	.0	-.1
Paper Mills	3.2	3.2	3.4	.0	-.2
Service–Producing Industries	68.0	71.6	66.6	-3.6	1.4
Transportation and Public Utilities	3.4	3.3	3.3	.1	.1
Wholesale Trade	6.0	5.9	5.9	.0	.0
Wholesale Trade–Durable Goods	4.0	4.0	4.0	.0	.1
Retail Trade	17.8	18.0	17.8	-.2	.0
Food Stores	3.4	3.5	3.4	.0	.0
Finance, Insurance, and Real Estate	4.5	4.5	4.6	.0	-.1
Services	20.6	20.2	20.2	.4	.4
Health Services	9.1	9.0	8.6	.0	.4
Government	15.9	19.8	14.7	-3.9	1.2
State Government (Includes Education)	4.0	7.9	3.7	-3.9	.2
Local Government	11.2	11.2	10.3	.0	1.0
Local Government Education	7.6	7.6	6.7	.0	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

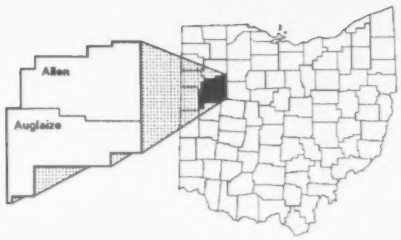
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$710.45	$673.97	$653.33	47.3	45.6	46.5	$15.02	$14.78	$14.05
Durable Goods	748.55	709.46	686.83	48.2	46.4	47.4	15.53	15.29	14.49
Primary Metal Industries	890.76	834.96	816.08	52.0	49.7	50.5	17.13	16.80	16.16
Fabricated Metal Products	544.74	526.73	519.96	42.0	40.8	42.0	12.97	12.91	12.38
Industrial Machinery and Equipment	701.80	651.07	653.87	46.6	44.2	49.8	15.06	14.73	13.13
Nondurable Goods	612.00	584.71	571.03	45.0	43.7	44.3	13.60	13.38	12.89
Paper and Allied Products	641.68	617.89	593.43	46.6	45.4	45.3	13.77	13.61	13.10
Paper Mills	638.94	603.29	602.99	46.0	44.1	45.1	13.89	13.68	13.37
Wholesale Trade	451.54	461.20	443.92	40.9	41.4	41.8	11.04	11.14	10.62
Retail Trade[f]	185.17	181.61	178.23	28.4	27.6	28.7	6.52	6.58	6.21

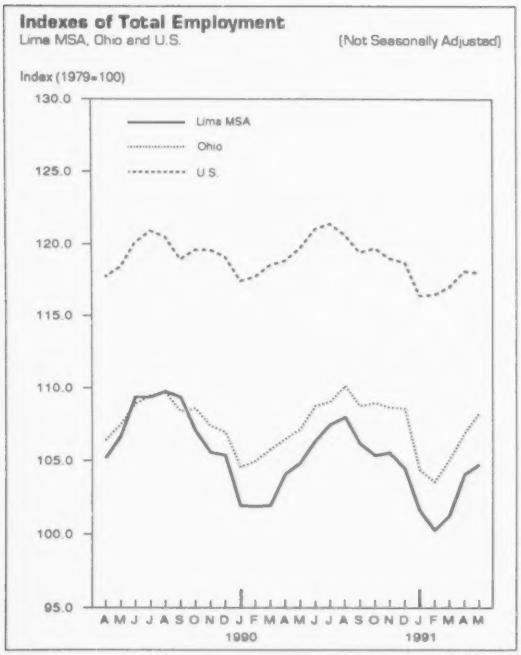
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

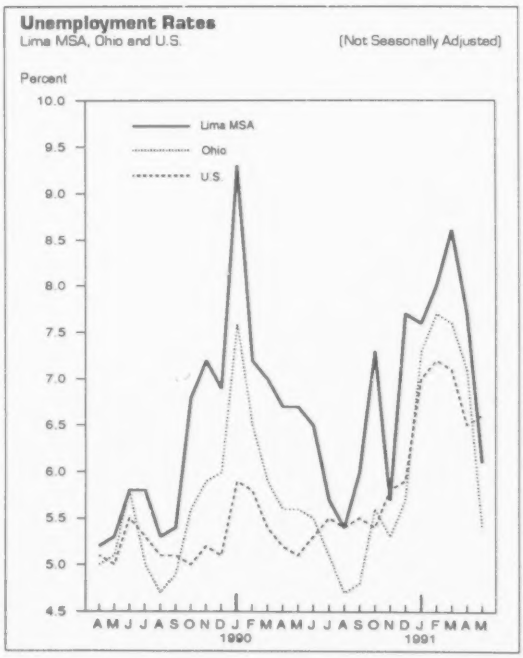
Lima Metropolitan Statistical Area



Nonfarm wage and salary employment in the Lima metropolitan area increased 700 above the May level to 73,900 in June 1991. Scattered gains raised employment in the service-producing sector 400. The workforce in goods-producing industries, at 25,400, added 300 jobs over the month due to modest improvements in manufacturing, especially industrial machinery and equipment and food and kindred products, and seasonal increases in construction and mining. Factory production workers averaged $13.95 per hour, up 16 cents from May. Their average workweek was 1.8 hours longer at 43.3 hours.

Nonagricultural payroll employment declined 100 between June 1990 and June 1991. Cutbacks among manufacturers of durable goods and declines in construction and mining outweighed gains in nondurable-goods manufacturing, lowering employment in goods-producing industries 1,100. Reductions in industrial machinery and equipment and transportation equipment overshadowed growth in food and kindred products. Expansion in services raised employment in service-producing industries 1,000 over the year.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Civilian Labor Force	77.0	77.9	77.6	-.8	-.6
Employment	72.4	71.9	72.5	.4	-.1
Unemployment	4.7	6.0	5.2	-1.3	-.5
Unemployment Rate	6.1	7.7	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	73.9	73.2	74.0	.7	-.1
Goods-Producing Industries	25.4	25.1	26.5	.3	-1.1
Construction and Mining	3.3	3.2	3.4	.1	-.2
Manufacturing	22.1	21.9	23.1	.2	-1.0
Durable Goods	15.3	15.2	16.5	.1	-1.2
Fabricated Metal Products	2.5	2.5	2.6	.0	.0
Industrial Machinery and Equipment	3.9	3.8	4.4	.1	-.5
Transportation Equipment	6.3	6.3	6.7	.0	-.4
Motor Vehicles and Equipment	3.4	3.4	3.6	.0	-.1
Nondurable Goods	6.8	6.7	6.6	.1	.2
Food and Kindred Products	2.1	2.0	1.7	.1	.3
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.1	.0	-.1
Service-Producing Industries	48.5	48.1	47.5	.4	1.0
Transportation and Public Utilities	3.2	3.1	3.1	.1	.1
Wholesale Trade	3.4	3.3	3.4	.1	-.1
Retail Trade	13.8	13.7	13.8	.1	.0
General Merchandise Stores	2.1	2.1	2.1	.0	.0
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	16.3	16.2	15.3	.1	1.0
Health Services	6.8	6.8	6.5	.0	.3
Hospitals	3.2	3.2	3.2	.0	.0
Government	9.8	9.8	9.8	.1	.0
Local Government	7.4	7.3	7.3	.1	.1
Local Government Education	4.1	4.2	4.1	-.2	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

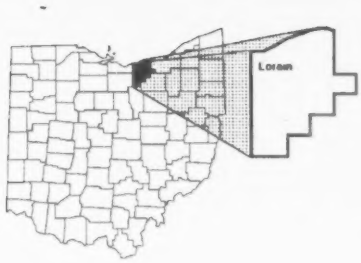
Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$604.04	$572.29	$558.67	43.3	41.5	42.1	$13.95	$13.79	$13.27
Durable Goods	602.83	568.97	554.34	43.4	41.5	41.9	13.89	13.71	13.23
Fabricated Metal Products	405.57	373.10	370.18	43.1	41.0	41.5	9.41	9.10	8.92
Industrial Machinery and Equipment	487.58	451.33	439.88	39.9	37.3	39.1	12.22	12.10	11.25
Transportation Equipment	780.88	744.48	711.94	45.4	44.0	43.2	17.20	16.92	16.48
Motor Vehicles and Equipment	892.94	828.06	848.18	47.7	45.2	47.2	18.72	18.32	17.97
Nondurable Goods	605.44	581.42	569.50	43.0	41.5	42.5	14.08	14.01	13.40
Food and Kindred Products	398.23	391.77	370.87	42.5	41.9	40.4	9.37	9.35	9.18
Rubber and Miscellaneous Plastics Products	694.71	633.94	633.86	46.5	43.6	46.2	14.94	14.54	13.72
Wholesale Trade	374.99	373.04	364.22	38.5	38.3	37.9	9.74	9.74	9.61
Retail Trade[j]	196.99	191.75	191.14	30.4	29.5	30.1	6.48	6.50	6.35
General Merchandise Stores	185.65	185.08	171.88	28.3	28.0	27.5	6.56	6.61	6.25

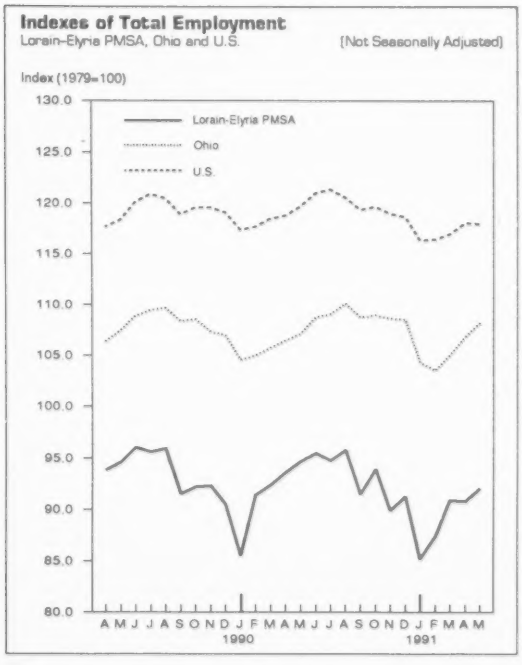
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

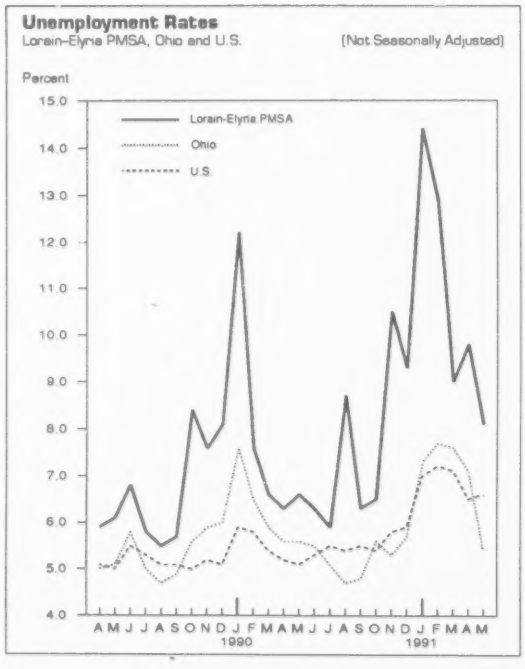
Lorain-Elyria Primary Metropolitan Statistical Area



Nonagricultural wage and salary employment in the Lorain-Elyria metropolitan area totaled 92,600 in June 1991, down 100 from May. Employment in goods-producing industries dropped 800 to 30,700 due to temporary layoffs in manufacturing, primarily transportation equipment. More business in retail trade and modest gains in local government helped raise employment in the service-producing sector 800. Manufacturing production workers averaged $13.60 per hour, up 8 cents from May. Their average workweek of 42.0 hours was 1.1 hours longer.

Nonfarm payroll employment fell 3,400 between June 1990 and June 1991. Significant reductions in durable-goods manufacturing, especially transportation equipment, lowered employment in goods-producing industries 3,100. Noteworthy losses were posted in fabricated metal products and primary metal industries. The workforce in service-producing industries declined 400 over the year. Decreases in government and in retail trade more than offset growth in transportation and public utilities.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Civilian Labor Force	119.5	120.0	121.0	-.5	-1.4
Employment	109.9	108.3	113.0	1.6	-3.1
Unemployment	9.6	11.8	8.0	-2.1	1.6
Unemployment Rate	8.1	9.8	6.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	92.6	92.7	96.1	-.1	-3.4
Goods–Producing Industries	30.7	31.5	33.8	-.8	-3.1
Construction and Mining	5.0	5.0	4.9	.0	.1
Manufacturing	25.7	26.6	28.9	-.9	-3.2
Durable Goods	21.1	22.0	24.3	-.8	-3.1
Primary Metal Industries	4.2	4.2	4.5	.0	-.3
Fabricated Metal Products	3.7	3.7	4.1	.0	-.4
Transportation Equipment	5.7	6.5	8.2	-.8	-2.4
Nondurable Goods	4.5	4.6	4.6	.0	-.1
Service–Producing Industries	61.9	61.2	62.3	.8	-.4
Transportation and Public Utilities	3.5	3.4	3.3	.1	.2
Wholesale Trade	2.6	2.5	2.6	.0	.0
Retail Trade	16.7	16.4	16.9	.3	-.2
Finance, Insurance, and Real Estate	2.9	2.9	3.0	.0	-.1
Services	21.8	21.8	21.7	.1	.1
Health Services	8.5	8.4	8.3	.0	.2
Hospitals	3.8	3.9	3.9	.0	-.1
Government	14.5	14.1	14.7	.3	-.3
Local Government	12.1	11.8	12.2	.2	-.1
Local Government Education	7.5	7.7	7.6	-.2	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

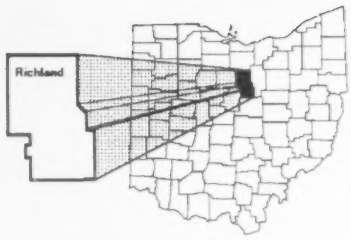
Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$571.20	$552.97	$578.23	42.0	40.9	42.8	$13.60	$13.52	$13.51
Durable Goods	604.35	579.92	611.51	42.5	41.1	43.4	14.22	14.11	14.09
Primary Metal Industries	598.23	594.31	637.06	41.4	41.3	44.8	14.45	14.39	14.22
Fabricated Metal Products	443.07	429.00	437.47	43.1	42.1	44.1	10.28	10.19	9.92
Transportation Equipment	773.08	724.71	764.62	42.5	40.6	44.3	18.19	17.85	17.26
Nondurable Goods	404.32	405.11	394.21	39.6	39.6	39.5	10.21	10.23	9.98
Wholesale Trade	376.20	381.92	361.37	38.0	38.5	38.2	9.90	9.92	9.46
Retail Trade[f]	180.34	174.11	165.54	27.2	26.5	26.7	6.63	6.57	6.20

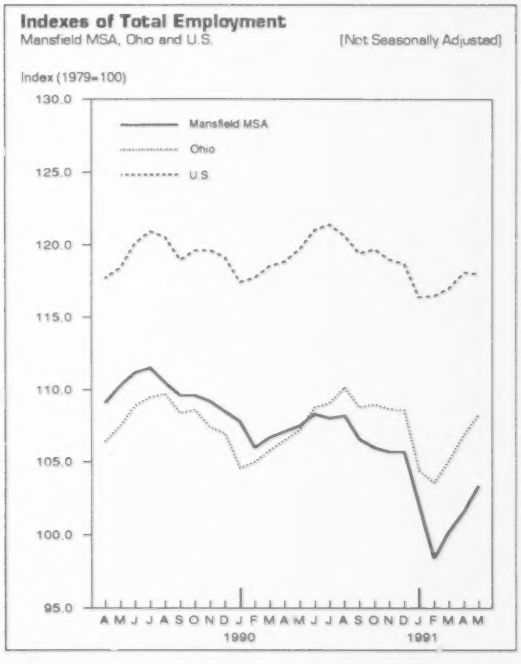
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

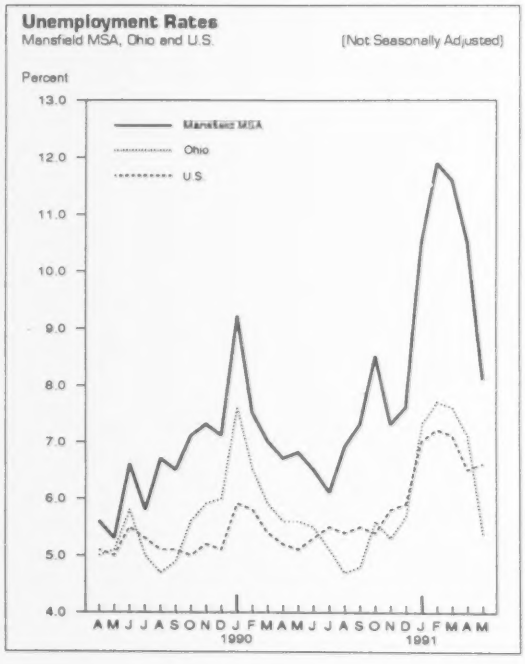
Mansfield Metropolitan Statistical Area



Nonagricultural payroll employment in the Mansfield metropolitan area totaled 58,600 in June 1991, up 600 from May. Modest gains in manufacturing and in construction and mining raised employment in goods-producing industries 300 to 19,400. The workforce in service-producing industries increased 300 over the month. Improvements in retail trade, finance, insurance, and real estate, and local government outweighed nominal decreases in services. Manufacturing production workers averaged $14.40 per hour, up 24 cents from May. Their average workweek was 1.4 hours longer at 41.8 hours.

Nonfarm wage and salary employment fell 2,300 between June 1990 and June 1991. Employment in the goods-producing sector dropped 1,600 over the year due to reductions in durable-goods manufacturing, especially electronic and other electric equipment and fabricated metal products. Declines in retail trade and wholesale trade lowered employment in service-producing industries 700 below the year-ago level.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Civilian Labor Force	63.4	63.9	64.9	-.5	-1.5
Employment	58.2	57.2	60.5	1.1	-2.3
Unemployment	5.1	6.7	4.4	-1.6	.7
Unemployment Rate	8.1	10.5	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	58.6	58.0	60.8	.6	-2.3
Goods-Producing Industries	19.4	19.1	20.9	.3	-1.6
Construction and Mining	2.2	2.1	2.2	.1	.0
Manufacturing	17.2	17.0	18.7	.2	-1.6
Durable Goods	15.1	15.0	16.7	.1	-1.6
Fabricated Metal Products	5.3	5.3	5.5	.0	-.2
Electronic and Other Electric Equipment	2.4	2.4	3.3	.0	-.9
Nondurable Goods	2.1	2.0	2.0	.0	.0
Service-Producing Industries	39.2	38.9	39.9	.3	-.7
Transportation and Public Utilities	2.9	2.9	3.1	.0	-.1
Wholesale Trade	2.2	2.2	2.4	.0	-.2
Retail Trade	11.0	10.8	11.4	.2	-.5
Finance, Insurance, and Real Estate	2.3	2.2	2.3	.1	-.1
Services	12.9	13.0	12.8	-.1	.1
Health Services	4.5	4.5	4.4	.0	.0
Government	7.9	7.8	7.8	.1	.1
Local Government	6.0	5.9	5.8	.1	.1
Local Government Education	4.1	4.1	3.9	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

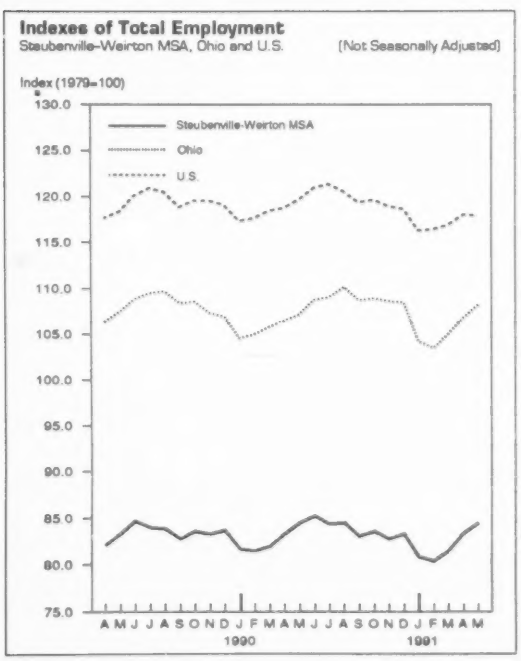
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$601.92	$572.06	$571.90	41.8	40.4	42.3	$14.40	$14.16	$13.52
Durable Goods	623.90	590.12	589.53	41.4	39.9	41.9	15.07	14.79	14.07
Fabricated Metal Products	818.35	766.22	727.95	42.6	40.8	42.2	19.21	18.78	17.25
Electronic and Other Electric Equipment	398.59	392.58	441.10	38.4	38.3	40.1	10.38	10.25	11.00
Nondurable Goods	419.00	422.96	419.07	45.2	44.9	45.8	9.27	9.42	9.15
Wholesale Trade	350.54	343.73	341.85	40.2	39.6	40.6	8.72	8.68	8.42
Retail Trade[i]	181.53	179.74	165.36	27.8	27.4	26.8	6.53	6.56	6.17

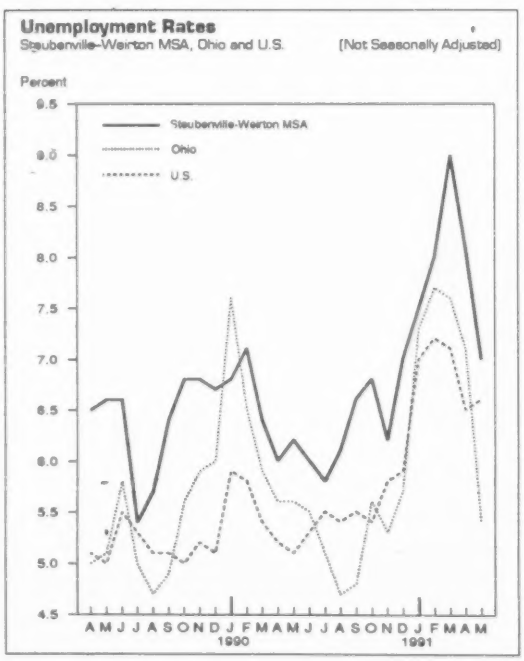
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Steubenville-Weirton Metropolitan Statistical Area

Nonfarm wage and salary employment in the Steubenville-Weirton metropolitan area totaled 53,700 in June 1991, up 300 from May. More business in services helped raise employment in service-producing industries 200. The goods-producing sector, at 20,800, added 100 jobs. Seasonal hirings in construction outweighed nominal reductions in durable-goods manufacturing. Factory production workers averaged $12.26 per hour, up 7 cents from May. Their average workweek was 0.6 hours longer at 42.2 hours.

Nonagricultural payroll employment advanced 400 between June 1990 and June 1991. Employment in service-producing industries rose 600 over the year due to gains in services, especially health services, and in local government. Employment in goods-producing industries declined 100 over the year. Cutbacks in manufacturing, particularly primary metal industries, more than offset modest growth in construction.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1991[b]	Apr. 1991[c]	May 1990[c]	From Last Month	From Last Year
Civilian Labor Force	57.5	57.5	57.1	.0	.4
Employment	53.5	52.8	53.5	.7	-.1
Unemployment	4.0	4.6	3.6	-.6	.4
Unemployment Rate	7.0	8.1	6.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Total	53.7	53.4	53.2	.3	.4
Goods–Producing Industries	20.8	20.7	21.0	.1	-.1
Mining	.8	.8	.8	.0	.0
Construction	2.7	2.6	2.2	.2	.5
Manufacturing	17.3	17.3	17.9	.0	-.7
Durable Goods	15.6	15.7	16.2	-.1	-.6
Primary Metal Industries	12.4	12.4	12.9	.0	-.5
Nondurable Goods	1.7	1.6	1.7	.0	.0
Service–Producing Industries	32.8	32.7	32.3	.2	.6
Transportation and Public Utilities	3.0	3.0	3.2	.0	-.1
Wholesale Trade	1.2	1.2	1.3	.0	-.1
Retail Trade	9.1	9.0	9.0	.0	.0
General Merchandise Stores	1.3	1.3	1.4	.0	-.1
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	11.4	11.3	10.9	.1	.4
Health Services	5.1	5.1	4.9	.0	.2
Hospitals	2.5	2.5	2.5	.0	.0
Government	6.5	6.5	6.2	.0	.3
Local Government	5.6	5.6	5.2	.0	.4
Local Government Education	3.5	3.6	3.2	-.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]
Manufacturing	$517.37	$507.10	$509.68	42.2	41.6	43.6	$12.26	$12.19	$11.69
Durable Goods	535.52	527.10	536.98	42.3	41.9	44.6	12.66	12.58	12.04
Primary Metal Industries	569.19	569.19	573.29	42.7	42.7	45.9	13.33	13.33	12.49
Nondurable Goods	328.82	303.38	206.01	41.0	38.5	32.7	8.02	7.88	6.30
Wholesale Trade	318	321.53	336.31	38.6	39.5	39.8	8.26	8.14	8.45
Retail Trade[f]	17	173.17	163.41	27.8	27.4	27.1	6.26	6.32	6.03

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	June 1991	May 1991	June 1990
New Applicants	32,663	33,115	32,579
Applicants Active This Program Year	585,529	556,554	663,424
Counseling Interviews	983	1,143	720
Tests Administered	983	970	1,666
General Aptitude Tests	672	673	247
Proficiency Tests	177	199	264
Specific Aptitude Tests	0	0	185
Referrals to Jobs	23,073	29,313	23,230
Placements	6,589	4,824	6,414
Job Openings Received	INA	INA	11,580
Job Openings Unfilled	32,090	28,190	19,766

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	June 1991	May 1991	June 1990
Initial Claims	49,716	65,623	38,085
Continued Claims	452,196	582,972	310,847
First Payments	21,750	26,544	17,406
Last Payments	10,430	10,700	6,553
Average Weekly Claimants	113,903	129,194	76,198
Average Weekly Benefit Recipients	102,180	118,172	67,701
Weeks Compensated	417,125	551,464	291,559
Benefits Paid	$71,211,985	$96,012,587	$47,559,690
Average Weekly Payment	$174.88	$178.01	$166.79
Continued Claims for Survey Week	113,413	120,199	75,642
Insured Unemployment Rate	2.4	2.8	1.7
Net Contributions	$4,927,127	$287,882,058	$6,110,441
Active Employer Accounts	209,094	207,841	207,048

Ohio Labor Market Information

Labor Market Review

July 1991

Summary. Ohio's seasonally adjusted unemployment rate rose from 6.4 percent in June 1991 to 6.9 percent in July 1991. The national rate decreased from 7.0 percent to 6.8 percent over the month. Total employment in Ohio was up 19,000 from June to 5,119,000 in July. There were 378,000 unemployed Ohioans in July, 31,000 more than in June. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,922,000 in July, was virtually unchanged from June. (See page 3.)

Goods-Producing Industries. Scattered losses in manufacturing industries lowered employment in goods-producing industries 6,000 from June to 1,294,000 in July. Rubber and miscellaneous plastics products declined 2,000. Stone, clay, and glass products, industrial machinery and equipment, transportation equipment, printing and publishing, and chemicals and allied products each lost 1,000 jobs. Employment in fabricated metal products was up 1,000. There was little employment change in mining and construction.

Service-Producing Industries. There were 3,628,000 people employed in service-producing industries in July, up 6,000 from June. Increases in local education boosted employment in government 3,000. Services advanced 2,000, while wholesale trade increased 1,000. Employment in transportation and public utilities, retail trade, and finance, insurance, and real estate was on par with June.

Over the Year. Ohio's unemployment rate increased from 5.6 percent in July 1990 to 6.9 percent in July 1991. The U.S. rate rose from 5.5 percent to 6.8 percent during the same period. Total employment in Ohio was up 4,000 from July 1990, while total unemployment was 73,000 higher. Nonfarm payroll employment advanced 19,000 over the year. Employment in services was up 43,000 due largely to increases in health and business services. All other service-producing industries showed gains from June 1990. Manufacturing employment was down 37,000 over the year. Employment in most component industries was substantially below the year-ago level. The largest declines were in industrial machinery and equipment (-10,000), fabricated metal products (-7,000), and rubber and miscellaneous plastics products (-6,000). Construction employment rose 4,000, while mining employment declined 1,000 over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $556.25 per week in July, down $5.18 from June. Their average workweek of 42.3 hours was 0.2 hours shorter. Most manufacturing industries had lower earnings due to less overtime. The most significant decreases were in motor vehicles and equipment, metal forgings and stampings, and metalworking machinery. Commercial printing had noticeably higher earnings.

Benefits and Costs. There were 72,749 initial claims filed under the Ohio Unemployment Compensation Law in July, up 46.3 percent from June, and up 9.1 percent from July 1990.

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

Total benefits paid rose 1.6 percent to $72.4 million. The average weekly benefit check of $172.80 was $2.08 lower than in June. The average weekly number of benefit recipients, at 95,818, decreased 6.2 percent. At the end of July, there were 208,437 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 39,738 new job applicants in July, up 21.7 percent from June, and up 16.5 percent from July 1990. The Employment Services Division made 29,188 job referrals in July, up 26.5 percent over the month. There were 7,432 total placements made, up 12.8 percent.

Ohio Occupational Almanac

One of our most popular publications, the *Ohio Occupational Almanac*, has been updated and is now ready for release. This reference book details the supply/demand relationship, wage data and where to find employment for some 200 occupations. All of the information is now in narrative form, except for the list of industries which employ each occupation listed. Occupations are divided into these groups: those which require a high school diploma; those which require a two-year college degree; and those which require a four-year college degree.

There is no charge for the 1990 *Almanac*. For more information, call the LMI Division at (614) 644-2689, or write:

Ohio Bureau of Employment Services
LMI Division
Attn: Statistical Services
P.O. Box 1618
Columbus, OH 43216

In This Issue

Summary 1
Seasonally Adjusted Series
Current Data 3
Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
Historical Data 7
Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1991	Jun. 1991	Jul. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,497	5,447	5,420	50	77	.9	1.4
Employment	5,119	5,100	5,115	19	4	.4	.1
Unemployment	378	347	305	31	73	8.9	23.9
Unemployment Rate	6.9	6.4	5.6				
Employer Survey Data[e]							
Total	4,922	4,922	4,903	0	19	.0	.4
Goods-Producing Industries	1,294	1,301	1,328	-6	-33	-.5	-2.5
Mining	17	17	18	0	-1	-.4	-4.1
Coal Mining	7	7	7	0	0	-.4	-5.1
Oil and Gas Extraction	6	6	6	0	0	-.8	-2.2
Construction	200	201	196	0	4	-.1	2.1
General Building Contractors	48	48	47	0	1	-.2	1.6
Heavy Construction, Except Building	24	25	24	0	1	-1.6	3.2
Special Trade Contractors	128	128	125	0	3	.2	2.1
Manufacturing	1,077	1,083	1,114	-6	-37	-.5	-3.3
Durable Goods	714	716	746	-2	-31	-.3	-4.2
Lumber and Wood Products	21	21	22	0	-1	-.1	-2.5
Furniture and Fixtures	15	15	15	0	0	-.5	.9
Stone, Clay, and Glass Products	43	44	45	-1	-2	-1.9	-5.2
Primary Metal Industries	96	96	100	0	-4	.1	-3.9
Fabricated Metal Products	125	124	132	1	-7	.9	-5.3
Industrial Machinery and Equipment	156	157	166	-1	-10	-.5	-6.0
Electronic and Other Electric Equipment	77	77	79	0	-3	-.2	-3.4
Transportation Equipment	141	142	145	-1	-3	-.8	-2.4
Instruments and Related Products	26	26	26	0	-1	-1.0	-2.7
Nondurable Goods	363	367	368	-4	-5	-1.0	-1.4
Food and Kindred Products	64	64	61	0	2	-.7	3.5
Apparel and Other Textile Products	14	14	15	0	-1	-1.0	-3.7
Paper and Allied Products	37	37	38	0	0	-.2	-.6
Printing and Publishing	76	76	76	-1	0	-.7	.2
Chemicals and Allied Products	66	67	66	-1	0	-1.7	-.4
Rubber and Misc. Plastics Products	88	90	94	-2	-6	-1.8	-6.2
Service-Producing Industries	3,628	3,621	3,576	6	52	.2	1.5
Transportation and Public Utilities	221	220	219	0	1	.1	.7
Transportation	130	130	127	0	2	.0	1.7
Communications, Electric, Gas Services	91	91	92	0	-1	.1	-.8

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1991	Jun. 1991	Jul. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	266	266	263	1	3	.3	1.2
Wholesale Trade-Durable Goods	165	165	164	0	1	.0	.5
Wholesale Trade-Nondurable Goods	101	101	99	1	2	.7	2.3
Retail Trade	912	912	911	0	1	.0	-.1
Building Materials and Garden Supplies	34	34	35	0	-1	-.5	-2.4
General Merchandise Stores	123	123	127	0	-4	-.4	-3.4
Food Stores	140	140	141	0	-1	.1	-.4
Automotive Dealers and Service Stations	97	98	99	0	-1	-.3	-1.4
Apparel and Accessory Stores	51	51	49	0	2	.7	3.6
Furniture and Homefurnishings Stores	32	32	31	0	0	.2	1.3
Eating and Drinking Places	314	314	312	0	3	.1	.8
Miscellaneous Retail	120	120	117	0	3	.4	2.7
Finance, Insurance, and Real Estate	257	257	255	0	2	.0	.7
Finance	121	121	121	0	0	-.1	-.1
Depository Institutions	89	89	90	0	-1	-.1	-.8
Insurance	92	91	91	0	1	.4	1.0
Real Estate	44	45	43	0	1	-.5	2.1
Services	1,242	1,239	1,199	2	43	.2	3.6
Hotels and Other Lodging Places	41	41	39	0	2	.2	3.9
Personal Services	56	56	55	0	1	-.1	1.8
Business Services	230	231	219	0	11	-.1	5.0
Amusements, Including Motion Pictures	63	63	61	0	1	.0	2.0
Health Services	411	410	397	1	15	.2	3.7
Legal Services	30	30	29	0	1	.6	3.6
Educational Services	65	64	63	1	1	.9	2.3
Social Services	85	84	80	1	4	1.0	5.5
Membership Organizations	79	79	79	0	0	.3	.4
Engineering and Management Services	94	94	91	0	3	.2	3.4
Government	730	728	728	3	3	.4	.3
Federal Government	94	94	100	0	-6	-.1	-5.9
State Government	162	161	163	0	-1	.2	-.6
State Government Education	85	84	85	1	0	1.3	-.4
Local Government	475	472	465	3	9	.5	2.0
Local Government Education	276	273	268	3	8	1.2	3.0

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,428	5,130	298	5.5	5.3	July
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January
5,384	5,007	377	7.0	6.5	February
5,470	5,073	397	7.3	6.8	March
5,523	5,124	399	7.2	6.6	April
5,467	5,163	304	5.6	6.9	May
5,447	5,100	347	6.4	7.0	June
5,497	5,119	378	6.9	6.8	July

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

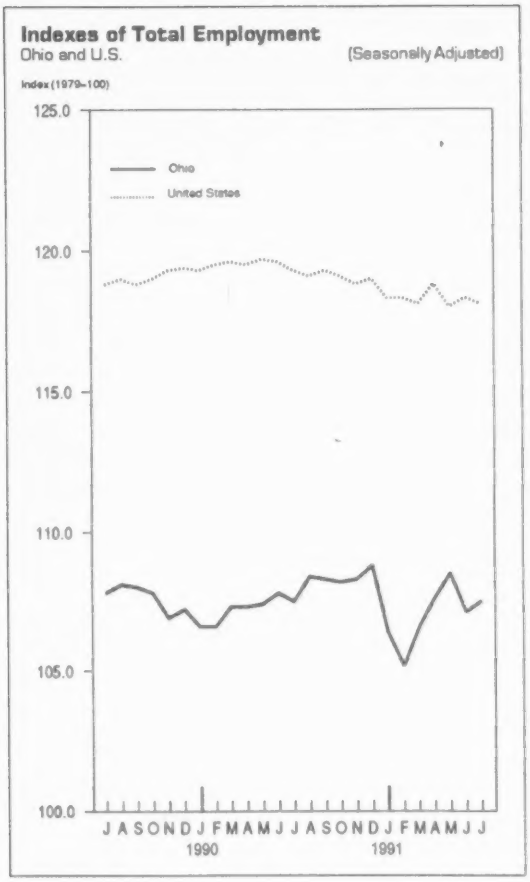
Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,816	1,329	16	194	1,119	July
4,830	1,336	18	195	1,122	August
4,834	1,332	18	196	1,119	September
4,830	1,322	18	194	1,110	October
4,845	1,332	18	196	1,119	November
4,854	1,330	18	196	1,117	December
					1990
4,840	1,314	18	199	1,097	January
4,873	1,337	18	204	1,116	February
4,888	1,338	18	204	1,117	March
4,878	1,332	18	199	1,115	April
4,895	1,332	18	198	1,117	May
4,903	1,334	18	197	1,119	June
4,903	1,328	18	196	1,114	July
4,910	1,329	18	197	1,115	August
4,911	1,328	17	197	1,113	September
4,921	1,329	17	197	1,115	October
4,913	1,318	17	198	1,103	November
4,914	1,316	17	199	1,100	December
					1991
4,919	1,315	17	200	1,098	January
4,911	1,300	17	202	1,081	February
4,913	1,296	17	202	1,077	March
4,907	1,297	17	201	1,079	April
4,916	1,297	17	200	1,080	May
4,922	1,301	17	201	1,083	June
4,922	1,294	17	200	1,077	July

Service-Producing Employment

(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,486	216	July	262	901	252	July	1,148	707
3,495	217	August	262	902	253	August	1,155	706
3,502	218	September	261	902	254	September	1,159	708
3,508	218	October	261	902	254	October	1,163	711
3,513	218	November	261	906	254	November	1,164	710
3,524	219	December	260	909	254	December	1,168	714
		1990				1990		
3,526	219	January	261	909	254	January	1,171	714
3,536	219	February	260	910	254	February	1,175	717
3,550	220	March	261	913	255	March	1,181	720
3,545	219	April	262	907	254	April	1,181	722
3,563	220	May	262	908	254	May	1,187	731
3,570	219	June	263	911	255	June	1,195	727
3,576	219	July	263	911	255	July	1,199	728
3,581	219	August	264	913	255	August	1,204	726
3,583	220	September	264	912	255	September	1,207	725
3,592	220	October	264	912	256	October	1,213	727
3,595	220	November	265	913	256	November	1,215	727
3,598	221	December	265	912	256	December	1,218	726
		1991				1991		
3,604	222	January	265	913	257	January	1,220	727
3,611	222	February	265	913	257	February	1,225	730
3,617	221	March	265	915	257	March	1,229	729
3,611	221	April	265	909	256	April	1,231	728
3,620	221	May	265	910	257	May	1,236	731
3,621	220	June	266	912	257	June	1,239	728
3,628	221	July	266	912	257	July	1,242	730

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.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Ohio and U.S.
(Seasonally Adjusted)
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120.0
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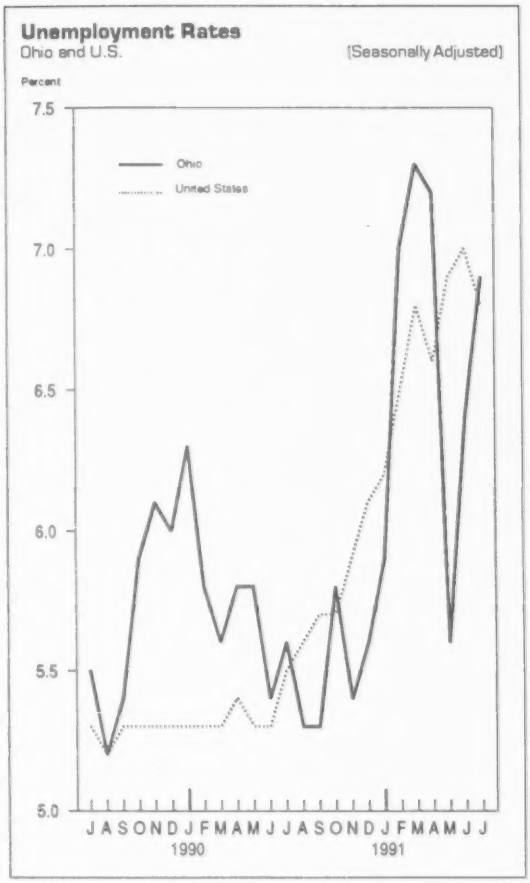
110.0
105.0
100.0
Ohio
United States
J A S O N D J F M A M J J A S O N D J F M A M J J
1990
1991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Ohio and U.S.
(Seasonally Adjusted)
Percent
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6.5
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5.5
5.0
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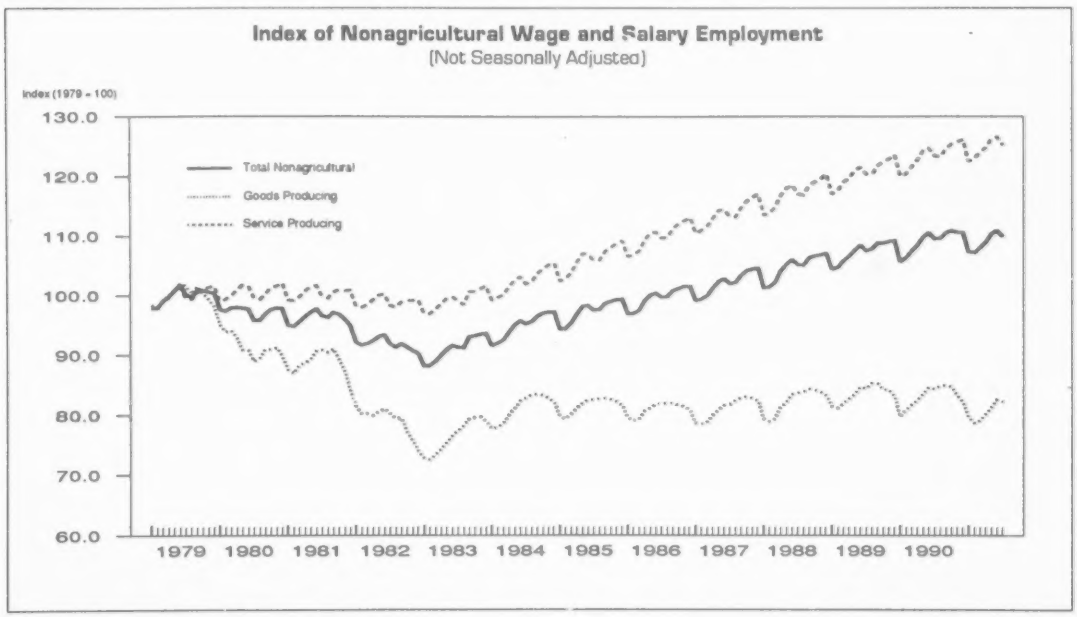
United States
J A S O N D J F M A M J J A S O N D J F M A M J J
1990
1991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(Not Seasonally Adjusted)
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120.0
110.0
100.0
90.0
80.0
70.0
60.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
					1990
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
					1991
5,357	4,968	389	7.3	7.0	January
5,341	4,932	409	7.7	7.2	February
5,417	5,004	414	7.6	7.1	March
5,473	5,087	386	7.1	6.5	April
5,445	5,154	292	5.4	6.6	May
5,508	5,152	356	6.5	6.9	June
5,546	5,197	349	6.3	6.7	July

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
					1990
4,912.3	1,347.3	18.0	214.5	1,114.8	July
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
					1991
4,814.5	1,274.5	16.7	172.2	1,085.6	January
4,807.8	1,256.3	16.4	169.0	1,070.9	February
4,844.7	1,263.4	16.7	176.8	1,069.9	March
4,889.7	1,281.7	16.9	190.0	1,074.8	April
4,947.0	1,298.3	16.9	201.3	1,080.2	May
4,975.6	1,318.9	17.2	211.1	1,090.6	June
4,930.7	1,313.9	17.3	219.0	1,077.6	July

Service-Producing Employment

(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
		1990				1990		
3,565.0	221.3	July	265.6	917.8	258.5	July	1,217.6	684.2
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
		1991				1991		
3,540.0	217.5	January	262.1	893.0	253.7	January	1,184.3	729.3
3,551.4	216.7	February	261.7	880.4	254.0	February	1,194.7	744.0
3,581.3	217.6	March	262.7	889.4	254.6	March	1,208.7	748.3
3,608.0	219.3	April	263.9	899.2	254.9	April	1,228.3	742.3
3,648.7	220.9	May	265.6	912.3	256.6	May	1,242.8	750.4
3,656.7	222.3	June	267.6	921.2	259.3	June	1,260.2	726.0
3,616.8	222.7	July	268.7	918.3	260.3	July	1,261.0	685.9

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)	
1,264.3	880.3	384.1	1980
1,232.6	858.2	374.4	1981
1,099.9	750.5	349.4	1982
1,066.0	721.9	344.1	1983
1,127.0	771.7	355.4	1984
1,124.2	767.0	357.3	1985
1,109.8	751.0	358.8	1986
1,098.9	738.9	360.0	1987
1,110.6	747.3	363.4	1988
1,122.6	754.7	367.9	1989
1,111.7	743.3	368.5	1990
			1990
1,114.8	745.0	369.9	July
1,120.5	748.4	372.2	August
1,123.2	748.0	375.2	September
1,121.3	746.9	374.4	October
1,106.1	734.4	371.7	November
1,099.9	729.8	370.1	December
			1991
1,085.6	718.1	367.5	January
1,070.9	706.7	364.2	February
1,069.9	706.3	363.6	March
1,074.8	710.8	364.0	April
1,080.2	714.6	365.5	May
1,090.6	721.8	368.8	June
1,077.6	713.1	364.5	July

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)	
867.8	$301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.5	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
751.4	375.5	32.0	1987
762.3	393.0	32.8	1988
770.4	403.3	32.9	1989
757.3	405.9	32.1	1990
			1990
757.4	403.0	32.0	July
763.2	409.7	32.4	August
766.3	426.7	33.1	September
765.0	418.7	32.6	October
749.8	410.8	32.0	November
743.7	403.9	31.5	December
			1991
731.1	394.6	30.7	January
717.4	377.1	29.6	February
716.7	383.1	29.7	March
721.5	385.9	29.9	April
727.7	395.4	30.3	May
736.6	413.6	31.3	June
724.0	402.7	30.6	July

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$347.94	$358.57	$319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
515.57	538.16	466.31	1988
523.50	542.23	478.19	1989
535.94	556.38	492.74	1990
			1990
532.14	550.35	491.99	July
536.78	555.93	493.92	August
556.85	581.16	504.38	September
547.41	571.43	496.78	October
547.84	568.43	503.37	November
543.13	562.22	501.06	December
			1991
539.70	559.99	497.90	January
525.71	541.86	492.79	February
534.52	551.20	498.08	March
534.89	552.78	497.25	April
543.35	561.79	503.40	May
561.43	584.99	510.25	June
556.25	576.22	511.94	July

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
43.0	43.4	42.2	1988
42.7	43.0	41.8	1989
42.4	42.7	41.9	1990
			1990
42.2	42.4	41.8	July
42.4	42.6	42.0	August
43.2	43.5	42.6	September
42.6	42.9	42.1	October
42.7	42.9	42.3	November
42.3	42.4	42.0	December
			1991
42.0	42.2	41.7	January
41.2	41.3	41.1	February
41.5	41.6	41.3	March
41.4	41.5	41.3	April
41.7	41.8	41.5	May
42.5	42.7	42.1	June
42.3	42.4	42.1	July

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$ 8.57	$ 8.81	$ 7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
11.99	12.40	11.05	1988
12.26	12.61	11.44	1989
12.64	13.03	11.76	1990
			1990
12.61	12.98	11.77	July
12.66	13.05	11.76	August
12.89	13.36	11.84	September
12.85	13.32	11.80	October
12.83	13.25	11.90	November
12.84	13.26	11.93	December
			1991
12.85	13.27	11.94	January
12.76	13.12	11.99	February
12.88	13.25	12.06	March
12.92	13.32	12.04	April
13.03	13.44	12.13	May
13.21	13.70	12.12	June
13.15	13.59	12.16	July

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	136.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.6	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.4	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
46.2	99.4	132.0	July	166.5	79.4	142.4	July	61.9	75.7	93.8
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.5	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	79.6	147.0	October	64.3	75.9	95.4
45.4	99.8	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	126.8	January	163.1	76.2	134.3	January	62.5	75.7	91.9
42.5	95.5	122.9	February	161.2	76.1	133.2	February	62.1	75.6	89.5
42.6	96.8	123.4	March	160.5	75.8	131.3	March	62.5	75.6	88.6
43.6	96.1	123.8	April	158.0	75.9	137.2	April	62.6	75.8	89.1
44.1	96.1	124.5	May	158.1	76.3	138.8	May	63.4	76.0	89.4
44.5	96.7	125.0	June	157.6	76.7	143.8	June	64.1	76.4	90.6
43.8	95.4	124.8	July	156.4	76.7	138.8	July	64.0	75.8	87.9

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.63	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	552.42	477.75	787.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.33	479.63	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
488.31	650.32	518.32	January	548.70	475.69	724.55	January	482.89	479.50	449.90
490.31	599.23	501.39	February	532.98	472.73	703.50	February	469.68	485.10	443.48
499.31	624.75	511.60	March	537.20	477.99	715.29	March	497.20	484.31	447.12
494.56	635.58	516.89	April	532.97	475.26	704.33	April	478.74	483.15	453.46
492.96	639.84	525.26	May	534.59	474.85	736.59	May	509.50	477.97	458.59
500.41	676.02	553.24	June	551.23	491.30	766.46	June	507.37	473.98	480.39
506.75	679.26	536.54	July	549.50	483.60	748.18	July	506.51	493.29	475.57

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

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Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	4930.7	4975.6	4912.3	-44.9	18.4
Goods-Producing Industries	1313.9	1318.9	1347.3	-5.0	-33.4
Mining	17.3	17.2	18.0	.1	-.8
Coal Mining	6.6	6.6	6.9	.0	-.4
Oil and Gas Extraction	5.8	5.8	6.0	.1	-.1
Construction	219.0	211.1	214.5	7.9	4.6
General Building Contractors	51.2	49.7	50.4	1.5	.8
Nonresidential Building Construction	25.9	25.3	25.8	.6	.2
Heavy Construction, Except Building	29.0	28.1	28.1	.9	.9
Highway and Street Construction	11.4	11.1	10.7	.4	.7
Special Trade Contractors	138.8	133.2	135.9	5.5	2.9
Manufacturing	1077.6	1090.6	1114.8	-13.0	-37.2
Durable Goods[f]	713.1	721.8	745.0	-8.7	-31.9
Lumber and Wood Products	21.5	21.5	22.1	.0	-.5
Millwork, Plywood and Structural Members	10.0	9.9	10.2	.1	-.2
Furniture and Fixtures	15.2	15.3	15.1	-.1	.1
Stone, Clay, and Glass Products	43.8	44.5	46.2	-.7	-2.4
Primary Metal Industries	95.4	96.7	99.4	-1.3	-4.0
Blast Furnace and Basic Steel Products	44.2	44.5	46.4	-.3	-2.2
Iron and Steel Foundries	18.3	18.6	19.3	-.3	-1.0
Nonferrous Rolling and Drawing	15.5	15.9	15.8	-.4	-.4
Nonferrous Foundries	10.1	10.3	10.4	-.2	-.3
Fabricated Metal Products	124.8	125.0	132.0	-.2	-7.2
Fabricated Structural Metal Products	27.7	27.6	29.3	.1	-1.6
Metal Forgings and Stampings	36.1	36.1	38.1	.0	-2.0
Industrial Machinery and Equipment	156.4	157.6	166.3	-1.2	-9.9
Construction and Related Machinery	11.6	11.9	13.4	-.3	-1.8
Metalworking Machinery	46.2	46.4	48.6	-.2	-2.4
Special Industry Machinery	14.5	14.9	16.7	-.3	-2.1
General Industrial Machinery	24.9	24.8	26.0	.1	-1.1
Computer and Office Equipment	10.8	10.7	11.5	.1	-.7
Refrigeration and Service Machinery	15.2	15.2	15.9	.0	-.7
Electronic and Other Electric Equipment	76.7	76.7	79.4	-.1	-2.7
Electrical Industrial Apparatus	11.5	11.6	12.0	-.1	-.6
Household Appliances	14.7	14.8	15.8	-.1	-1.1
Electric Lighting and Wiring Equipment	15.9	16.0	16.3	-.1	-.4
Electronic Components and Accessories	11.1	11.2	11.9	-.1	-.8
Transportation Equipment	138.8	143.8	142.4	-5.0	-3.6
Motor Vehicles and Equipment	96.4	101.1	96.3	-4.7	.1
Aircraft and Parts	35.1	35.6	37.7	-.4	-2.6
Instruments and Related Products	25.6	25.8	26.3	-.2	-.7
Measuring and Controlling Devices	14.6	14.7	15.6	-.1	-1.0
Nondurable Goods[g]	364.5	368.8	369.9	-4.3	-5.3
Food and Kindred Products	64.0	64.1	61.9	-.1	2.2
Dairy Products	10.7	10.7	10.1	.0	.6
Preserved Fruits and Vegetables	10.5	10.9	10.4	-.4	.1
Bakery Products	9.7	9.6	9.4	.1	.3
Apparel and Other Textile Products	14.2	14.5	14.7	-.3	-.5
Paper and Allied Products	37.4	37.5	37.7	.0	-.2
Paperboard Containers and Boxes	13.6	13.8	13.3	-.2	.3
Miscellaneous Converted Paper Products	11.8	11.8	12.3	.0	-.5
Printing and Publishing	75.8	76.4	75.7	-.6	.1
Newspapers	18.6	18.6	19.1	.0	-.5
Commercial Printing	28.3	28.6	27.7	-.4	.6
Chemicals and Allied Products	66.5	67.3	66.8	-.8	-.3
Plastics Materials and Synthetics	9.7	9.7	9.8	.0	-.1
Rubber and Miscellaneous Plastics Products	87.9	90.6	93.8	-2.7	-5.9
Tires and Inner Tubes	14.2	14.7	14.7	-.5	-.6
Miscellaneous Plastics Products	55.0	56.7	57.2	-1.6	-2.1
Service-Producing Industries	3616.8	3656.7	3565.0	-39.9	51.8
Transportation and Public Utilities	222.7	222.3	221.3	.4	1.4
Transportation	130.7	130.9	128.6	-.1	2.1
Railroad Transportation	11.4	11.4	12.4	.0	-1.0
Trucking and Warehousing	77.1	76.7	76.4	.4	.7
Transportation by Air	16.0	15.7	14.3	.2	1.7
Communications, Electric, Gas Services	91.9	91.4	92.6	.5	-.7
Communications	48.0	47.8	48.4	.2	-.5
Electric, Gas, and Sanitary Services	44.0	43.6	44.2	.3	-.2

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Wholesale Trade	268.7	267.6	265.6	1.0	3.1
Wholesale Trade-Durable Goods	166.5	166.1	165.8	.4	.8
Motor Vehicles, Parts, and Supplies	22.0	22.2	22.3	-.2	-.2
Professional and Commercial Equipment	32.5	32.2	32.3	.3	.3
Metals and Minerals, Except Petroleum	10.9	11.0	11.2	-.1	-.3
Electrical Goods	17.4	17.4	17.7	.1	-.2
Hardware, Plumbing and Heating Equipment	12.6	12.5	12.6	.1	.0
Machinery, Equipment, and Supplies	41.7	41.6	41.1	.1	.5
Wholesale Trade-Nondurable Goods	102.1	101.5	99.8	.6	2.3
Groceries and Related Products	35.0	34.7	33.9	.2	1.1
Retail Trade	918.3	921.2	917.8	-2.9	.4
Building Materials and Garden Supplies	35.3	36.5	36.1	-1.2	-.9
Lumber and Other Building Materials	18.1	18.5	18.5	-.4	-.4
General Merchandise Stores	119.7	120.0	123.9	-.3	-4.2
Department Stores	99.7	100.0	103.2	-.3	-3.5
Variety Stores	9.8	9.7	10.2	.1	-.5
Food Stores	141.3	140.9	141.8	.3	-.6
Grocery Stores	125.6	125.1	125.8	.5	-.2
Automotive Dealers and Service Stations	99.0	99.1	100.4	-.1	-1.4
New and Used Car Dealers	41.3	41.5	42.5	-.2	-1.3
Gasoline Service Stations	35.7	35.6	36.0	.1	-.3
Apparel and Accessory Stores	49.7	49.6	48.1	.1	1.7
Furniture and Homefurnishings Stores	31.3	31.3	30.9	.0	.4
Eating and Drinking Places	323.4	325.4	321.2	-2.0	2.3
Miscellaneous Retail	118.5	118.3	115.4	.2	3.1
Drug Stores and Proprietary Stores	31.2	31.4	30.7	-.1	.5
Nonstore Retailers	23.3	23.1	22.5	.2	.8
Finance, Insurance, and Real Estate	260.3	259.3	258.5	1.0	1.7
Finance	121.9	121.7	122.0	.2	-.1
Depository Institutions	90.1	90.0	90.8	.0	-.8
Commercial Banks	64.9	64.8	64.7	.1	.2
Insurance	92.0	91.6	91.1	.4	.9
Insurance Carriers	69.9	69.6	69.5	.3	.4
Life Insurance	25.4	25.5	25.2	-.1	.2
Fire, Marine, and Casualty Insurance	31.3	31.0	31.1	.3	.2
Real Estate	46.3	45.9	45.4	.4	.9
Services	1261.0	1260.2	1217.6	.8	43.5
Hotels and Other Lodging Places	43.6	42.8	42.0	.9	1.6
Personal Services	54.7	54.9	53.7	-.3	1.0
Business Services	234.6	231.9	223.4	2.7	11.2
Services to Buildings	35.0	35.1	34.4	-.1	.6
Personnel Supply Services	82.1	80.9	78.7	1.2	3.4
Computer and Data Processing Services	30.3	29.8	28.1	.4	2.2
Amusements, Including Motion Pictures	78.1	77.3	76.6	.9	1.5
Health Services	414.1	411.0	399.3	3.0	14.7
Nursing and Personal Care Facilities	88.9	88.3	86.2	.6	2.7
Hospitals	197.2	195.6	191.7	1.5	5.5
Legal Services	30.9	30.6	29.8	.2	1.1
Educational Services	52.6	59.0	51.4	-6.4	1.2
Colleges and Universities	27.5	30.9	26.8	-3.4	.7
Social Services	83.8	83.3	79.4	.5	4.4
Residential Care	25.2	24.8	23.9	.4	1.3
Membership Organizations	80.3	80.7	79.9	-.4	.3
Engineering and Management Services	95.0	94.5	91.8	.5	3.2
Engineering and Architectural Services	30.4	30.1	28.9	.3	1.5
Accounting, Auditing, and Bookkeeping	21.7	21.6	21.0	.1	.7
Research and Testing Services	19.9	19.8	19.8	.0	.1
Management and Public Relations	23.0	22.9	22.2	.1	.8
Government	685.9	726.0	684.2	-40.2	1.7
Federal Government	94.5	94.5	100.4	.0	-5.9
U.S. Postal Service	33.0	33.1	33.9	.0	-.8
State Government	143.4	158.2	144.3	-14.8	-1.0
State Government Hospitals	15.3	15.4	15.9	-.2	-.6
State Government Education[h]	64.4	78.8	64.7	-14.5	-.3
Local Government	448.0	473.4	439.5	-25.4	8.5
Local Government Hospitals	14.8	14.7	14.3	.1	.5
Local Government Education	238.5	267.5	231.5	-29.0	7.0

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Goods-Producing Industries	$569.21	$574.14	$548.77	41.7	42.0	41.7	$13.65	$13.67	$13.16
Mining	602.99	605.93	606.63	43.6	44.1	43.8	13.83	13.74	13.85
Coal Mining	730.60	727.92	707.65	42.8	43.2	41.7	17.07	16.85	16.97
Construction	627.90	634.39	616.10	39.0	39.6	38.7	16.10	16.02	15.92
General Building Contractors	554.13	560.00	544.31	39.3	40.0	39.5	14.10	14.00	13.78
Heavy Construction, Except Building	708.90	741.30	620.46	41.7	43.3	38.3	17.00	17.12	16.20
Special Trade Contractors	632.33	631.02	637.29	38.3	38.5	38.6	16.51	16.39	16.51
Manufacturing	556.25	561.43	532.14	42.3	42.5	42.2	13.15	13.21	12.61
Durable Goods[f]	576.22	584.99	550.35	42.4	42.7	42.4	13.59	13.70	12.98
Lumber and Wood Products	342.69	342.23	311.54	40.7	40.5	38.7	8.42	8.45	8.05
Millwork, Plywood and Structural Members	403.26	408.16	359.68	42.9	43.1	41.2	9.40	9.47	8.73
Furniture and Fixtures	398.53	395.08	388.03	41.6	41.5	41.5	9.58	9.52	9.35
Stone, Clay, and Glass Products	506.75	500.41	493.06	42.3	42.3	42.8	11.98	11.83	11.52
Primary Metal Industries	679.26	676.02	644.36	44.6	44.3	44.5	15.23	15.26	14.48
Blast Furnace and Basic Steel Products	713.91	712.24	666.08	46.6	46.4	46.0	15.32	15.35	14.48
Iron and Steel Foundries	717.40	719.92	659.37	42.5	42.7	42.9	16.88	16.86	15.37
Nonferrous Rolling and Drawing	661.30	673.91	689.67	39.2	39.9	41.9	16.87	16.89	16.46
Nonferrous Foundries	509.65	503.24	476.28	46.8	46.0	44.1	10.89	10.94	10.80
Fabricated Metal Products	536.54	553.24	506.75	41.4	42.2	41.3	12.96	13.11	12.27
Fabricated Structural Metal Products	480.78	464.54	469.56	42.1	41.7	42.0	11.42	11.14	11.18
Metal Forgings and Stampings	668.10	712.44	622.82	41.6	43.1	41.8	16.06	16.53	14.90
Industrial Machinery and Equipment	549.50	551.23	539.71	42.4	42.5	42.8	12.96	12.97	12.61
Construction and Related Machinery	464.92	468.07	443.00	39.3	39.4	39.1	11.83	11.88	11.33
Metalworking Machinery	509.12	525.16	516.34	41.8	42.8	43.1	12.18	12.27	11.98
Special Industry Machinery	527.83	521.30	501.38	43.5	42.8	43.0	12.19	12.18	11.66
General Industrial Machinery	627.10	645.62	630.78	43.7	44.1	44.8	14.35	14.64	14.08
Computer and Office Equipment	519.02	473.18	477.36	42.3	40.1	41.8	12.27	11.80	11.42
Refrigeration and Service Machinery	603.64	616.90	598.33	42.6	42.9	41.9	14.17	14.38	14.28
Electronic and Other Electric Equipment	483.80	491.30	456.84	41.0	41.6	40.5	11.80	11.81	11.28
Electrical Industrial Apparatus	468.72	466.21	468.27	42.0	41.7	43.0	11.16	11.18	10.89
Household Appliances	481.93	494.90	472.33	39.6	40.4	39.1	12.17	12.25	12.08
Electric Lighting and Wiring Equipment	528.52	518.49	471.62	40.1	40.1	39.4	13.18	12.93	11.97
Electronic Components and Accessories	357.84	357.73	338.99	42.0	41.5	40.5	8.52	8.62	8.37
Transportation Equipment	748.18	766.46	722.67	43.6	44.1	44.2	17.16	17.38	16.35
Motor Vehicles and Equipment	765.14	792.08	750.27	43.4	44.3	44.5	17.63	17.88	16.86
Aircraft and Parts	718.91	689.41	670.70	45.3	43.8	44.3	15.87	15.74	15.14
Instruments and Related Products	391.10	401.76	394.76	38.8	39.7	40.2	10.08	10.12	9.82
Measuring and Controlling Devices	390.91	400.14	386.91	38.1	39.0	39.4	10.26	10.26	9.82
Nondurable Goods[g]	511.94	510.25	491.99	42.1	42.1	41.8	12.16	12.12	11.77
Food and Kindred Products	506.51	507.37	475.57	42.6	42.6	41.9	11.89	11.91	11.35
Dairy Products	491.42	497.64	487.56	42.4	42.9	43.3	11.59	11.60	11.26
Preserved Fruits and Vegetables	548.70	550.38	472.42	42.7	42.5	39.5	12.85	12.95	11.96
Bakery Products	493.64	499.20	505.47	38.9	39.0	40.6	12.69	12.80	12.45
Apparel and Other Textile Products	301.82	303.01	305.37	38.4	38.6	39.1	7.86	7.85	7.81
Paper and Allied Products	541.79	535.37	524.94	44.3	44.1	44.6	12.23	12.14	11.77
Paperboard Containers and Boxes	475.20	468.90	470.98	44.0	43.7	44.6	10.80	10.73	10.56
Miscellaneous Converted Paper Products	502.57	479.12	483.99	43.4	42.4	43.8	11.58	11.30	11.05
Printing and Publishing	493.29	473.98	469.66	40.5	39.4	39.6	12.18	12.03	11.86
Newspapers	379.60	382.32	373.56	32.5	32.4	33.0	11.68	11.80	11.32
Commercial Printing	506.68	462.70	471.71	42.4	40.2	40.7	11.95	11.51	11.59
Chemicals and Allied Products	611.40	608.69	604.76	43.3	43.2	42.8	14.12	14.09	14.13
Plastics Materials and Synthetics	689.04	678.83	663.81	43.5	43.1	43.5	15.84	15.75	15.26
Rubber and Miscellaneous Plastics Products	475.57	480.39	458.55	41.9	42.4	41.8	11.35	11.33	10.97
Tires and Inner Tubes	737.66	735.15	724.50	43.7	44.1	45.0	16.88	16.67	16.10
Miscellaneous Plastics Products	463.98	466.57	442.15	41.8	42.3	41.4	11.10	11.03	10.68
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	665.52	654.84	629.16	43.3	42.8	42.0	15.37	15.30	14.98
Communications	650.69	646.90	578.71	43.7	43.3	40.3	14.89	14.94	14.36
Electric, Gas, and Sanitary Services	684.68	666.23	687.72	42.9	42.3	44.0	15.96	15.75	15.63
Wholesale Trade	425.96	427.28	417.20	38.9	39.2	39.1	10.95	10.90	10.67
Wholesale Trade-Durable Goods	422.37	423.65	413.17	39.0	39.3	39.2	10.83	10.78	10.54
Motor Vehicles, Parts, and Supplies	354.20	352.80	359.28	38.5	38.6	38.1	9.20	9.14	9.43
Metals and Minerals, Except Petroleum	497.03	489.72	466.07	42.3	42.0	41.1	11.75	11.66	11.34
Wholesale Trade-Nondurable Goods	432.62	434.01	424.32	38.8	39.1	39.0	11.15	11.10	10.88

See footnotes on page 13.

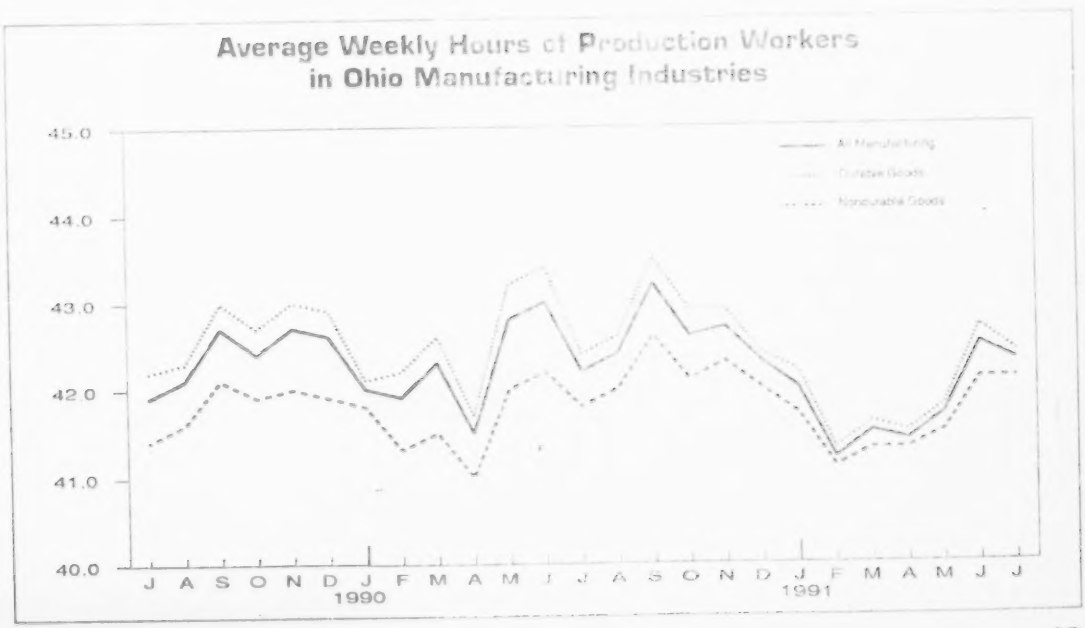
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

(Inc. (continued))

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[r]	Jun. 1991[r]	Jul. 1990[r]	Jul. 1991[r]	Jun. 1991[r]	Jul. 1990[r]	Jul. 1991[p]	Jun. 1991[r]	Jul. 1990[r]
Retail Trade[i]	$190.19	$187.81	$180.31	28.6	28.2	28.4	$ 6.65	$ 6.66	$ 6.36
General Merchandise Stores	213.60	206.48	195.16	30.1	29.2	28.8	7.12	7.12	6.79
Department Stores	228.70	217.75	207.14	31.4	29.8	29.1	7.28	7.26	6.90
Finance, Insurance, and Real Estate	361.49	360.12	352.02						
Finance	339.85	338.74	324.41						
Depository Institutions	284.06	283.67	267.63						
Commercial Banks	273.18	272.78	257.75						
Insurance	433.70	433.46	440.70						
Insurance Carriers	420.34	419.66	426.29						
Life Insurance	301.66	300.75	315.74						
Fire, Marine, and Casualty Insurance	460.17	459.31	456.73						
Services	292.02	290.62	287.11	33.0	32.4	32.9	7.84	8.05	7.52
Business Services	329.81	325.71	313.35	31.5	31.5	31.9	10.47	10.34	9.98
Health Services	230.08	230.84	216.53	32.0	32.0	32.1	7.19	7.05	6.73
Nursing and Personal Care Facilities	361.92	366.38	317.47	32.6	32.3	32.7	11.92	11.81	11.48
Hospitals	516.20	520.51	483.03	36.6	36.7	35.4	14.50	14.64	13.70
Engineering and Management Services	704.80	729.62	667.68	34.4	34.7	32.6	20.49	20.92	20.48
Engineering and Architectural Services	416.77	423.51	397.60	35.2	36.2	35.7	11.84	11.84	10.83

[a]See Technical Notes for concepts. [p]Preliminary. [r]Revised. [i]Based on incomplete figures. [j]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities; State schools for the deaf and blind; and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [l]Money payments only; tips not included. [c]Caused due to labor management disputes.



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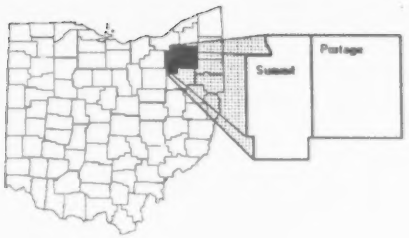
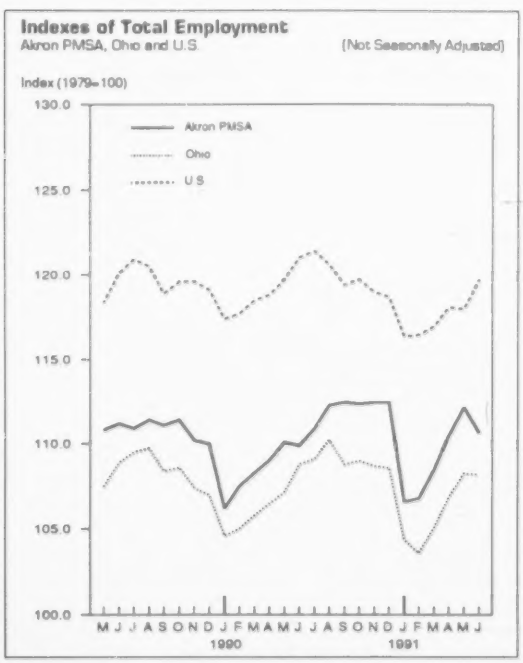
Akron Primary Metropolitan Statistical Area

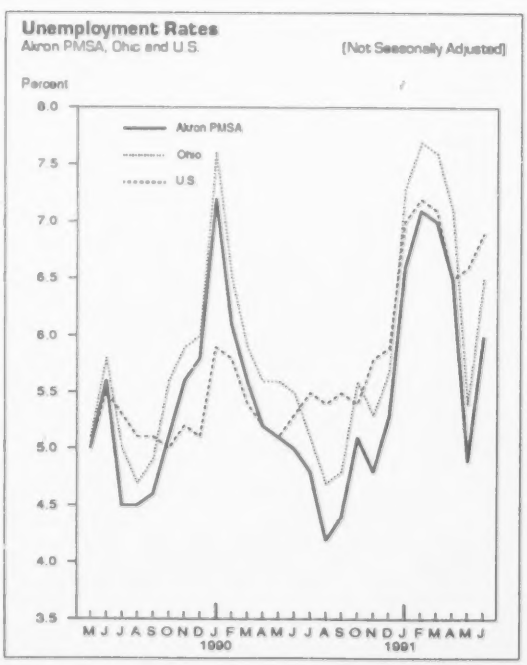


Nonfarm payroll employment in the Akron metropolitan area dropped 1,600 below the June level to 285,200 in July 1991. Temporary layoffs of nonteaching personnel in local schools helped lower employment in the service-producing sector 1,400. The number of employees in goods-producing industries totaled 78,100, down 200 over the month as scattered declines in manufacturing outweighed nominal gains in construction employment. Reductions occurred in industrial machinery and equipment, fabricated metal products, and rubber and miscellaneous plastics products. Factory production workers averaged $12.25 per hour, up 13 cents from June. Their average workweek of 43.0 hours was 0.3 hours longer.

Nonagricultural wage and salary employment advanced 1,100 between July 1990 and July 1991. Growth in service-producing industries created 1,600 jobs. Expansion in services, especially health services, more than offset decreases in state schools and colleges. Reductions in manufacturing lowered employment in goods-producing industries 600. Over-the-year cutbacks in industrial machinery and equipment, fabricated metal products, and rubber and miscellaneous plastics products negated a modest gain in food and kindred products.

Seasonally adjusted employment in the Akron area decreased 1,000 from June to 286,000 in July 1991. Total nonfarm payroll employment was unchanged from July 1990. Expansion in services counterbalanced declines in government and manufacturing.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
331.6	313.7	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
332.3	314.9	17.3	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
332.4	316.5	15.9	4.8	July	284.1	66.8	37.9	509.92	42.6	11.97
334.4	320.5	13.9	4.2	August	285.2	67.0	38.1	529.40	43.5	12.17
335.8	321.1	14.7	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
337.9	320.8	17.1	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
337.5	321.2	16.3	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
339.2	321.1	18.1	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
326.0	304.3	21.6	6.6	January	279.7	67.3	38.6	507.03	42.5	11.93
328.0	304.7	23.3	7.1	February	282.0	65.6	36.8	484.38	41.4	11.70
333.1	309.7	23.4	7.0	March	285.0	66.3	37.6	489.70	41.5	11.80
337.4	315.3	22.1	6.5	April	288.1	66.2	37.4	493.44	41.5	11.89
337.0	320.3	16.7	4.9	May	292.2	66.5	37.9	504.78	42.1	11.99
336.0	315.8	20.2	6.0	June	286.8	66.7	38.1	517.52	42.7	12.12
INA	INA	INA	INA	July	285.2	66.2	37.7	526.75	43.0	12.25

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
286	78	10	67	July	208	14	15	54	11	70	45
287	78	10	67	August	209	14	15	54	11	70	45
287	78	10	67	September	209	14	15	54	11	70	45
287	79	10	68	October	209	14	15	54	11	70	45
288	79	10	68	November	210	14	15	54	11	71	45
289	79	11	68	December	210	14	15	55	11	71	45
				1991							
289	78	10	68	January	209	14	15	54	11	71	45
287	77	10	66	February	210	14	15	54	11	71	45
288	78	10	67	March	210	14	15	54	11	71	45
288	77	10	66	April	211	14	15	54	11	72	45
289	77	10	66	May	211	14	15	54	11	72	46
287	77	10	66	June	209	14	15	54	11	73	43
286	77	10	66	July	209	14	15	54	11	73	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	285.2	286.8	284.1	-1.6	1.1
Goods-Producing Industries[e]	78.1	78.3	78.7	-.2	-.6
Construction	11.3	11.1	11.3	.2	.0
Manufacturing	66.2	66.7	66.8	-.4	-.5
Durable Goods[f]	33.4	33.8	34.4	-.4	-1.0
Fabricated Metal Products	10.2	10.2	10.4	-.1	-.2
Fabricated Structural Metal Products	4.4	4.3	4.7	.0	-.3
Industrial Machinery and Equipment	9.0	9.3	10.1	-.3	-1.1
Metalworking Machinery	4.2	4.2	4.0	.0	.2
Electronic and Other Electric Equipment	2.5	2.5	2.5	.0	.0
Transportation Equipment	4.8	4.8	4.8	.0	.0
Nondurable Goods[g]	32.8	32.9	32.4	-.1	.5
Food and Kindred Products	3.5	3.5	3.2	.0	.4
Chemicals and Allied Products	3.6	3.6	3.5	.0	.0
Rubber and Miscellaneous Plastics Products	19.2	19.2	19.3	-.1	-.2
Tires and Inner Tubes	10.2	10.2	10.3	.0	-.1
Service-Producing Industries	207.0	208.4	205.4	-1.4	1.6
Transportation and Public Utilities	13.9	14.0	13.9	-.1	.0
Communications, Electric, Gas Services	5.5	5.5	5.5	.0	.0
Wholesale Trade	14.9	14.9	15.1	.0	-.2
Retail Trade	54.1	54.3	54.2	-.2	-.1
General Merchandise Stores	5.6	5.7	5.4	-.1	.2
Food Stores	9.0	8.9	9.0	.1	.0
Finance, Insurance, and Real Estate	10.9	10.9	11.0	.0	.0
Finance	5.4	5.4	5.4	.0	.0
Services	75.2	75.2	72.0	.0	3.2
Business Services	12.3	12.5	12.0	-.2	.3
Personnel Supply Services	3.5	3.5	3.4	-.1	.1
Amusements, Including Motion Pictures	7.8	7.7	7.4	.1	.4
Health Services	23.8	23.5	22.6	.3	1.2
Nursing and Personal Care Facilities	4.0	4.0	3.7	.0	.3
Hospitals	11.8	11.7	11.4	.1	.5
Social Services	5.6	5.6	5.2	.0	.4
Engineering and Management Services	5.5	5.4	5.1	.1	.4
Government	38.0	39.2	39.3	-1.1	-1.3
Federal Government	2.5	2.5	2.7	.0	-.2
State Government	10.3	10.2	11.5	.1	-1.3
State Government Education[h]	7.3	7.3	8.5	.0	-1.2
Local Government	25.3	26.5	25.1	-1.2	.2
Local Government Education	12.2	13.5	12.3	-1.3	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

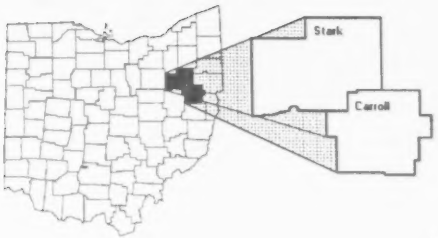
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$526.75	$517.52	$509.92	43.0	42.7	42.6	$12.25	$12.12	$11.97
Durable Goods[f]	525.53	527.39	515.74	42.9	43.3	42.8	12.25	12.18	12.05
Fabricated Metal Products	634.11	629.82	624.94	41.8	42.1	42.6	15.17	14.96	14.67
Fabricated Structural Metal Products	515.85	503.10	488.80	41.5	42.1	41.6	12.43	11.95	11.75
Industrial Machinery and Equipment	510.01	516.90	480.48	45.7	46.4	44.0	11.16	11.14	10.92
Metalworking Machinery	545.55	576.95	524.77	45.5	47.8	45.2	11.99	12.07	11.61
Electronic and Other Electric Equipment	448.38	427.81	440.77	42.3	40.9	42.3	10.60	10.46	10.42
Transportation Equipment	640.07	640.48	616.59	42.7	42.5	42.7	14.99	15.07	14.44
Nondurable Goods[g]	528.77	504.48	502.02	43.2	41.9	42.4	12.24	12.04	11.84
Food and Kindred Products	371.20	384.92	388.48	37.8	38.3	39.6	9.82	10.05	9.81
Chemicals and Allied Products	584.75	549.83	542.63	43.9	42.1	43.1	13.32	13.06	12.59
Rubber and Miscellaneous Plastics Products	544.89	535.04	525.67	44.3	44.0	44.1	12.30	12.16	11.92
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	659.46	624.77	587.89	43.5	42.3	40.6	15.16	14.77	14.48
Wholesale Trade	378.60	384.00	357.92	37.3	37.5	36.3	10.15	10.24	9.86
Retail Trade[i]	227.43	227.02	223.17	31.5	31.4	31.3	7.22	7.23	7.13
General Merchandise Stores	200.51	201.02	195.88	29.4	28.8	29.5	6.82	6.98	6.64
Food Stores	336.18	336.92	321.41	39.0	38.2	38.4	8.62	8.82	8.37
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	306.19	300.04	284.90	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

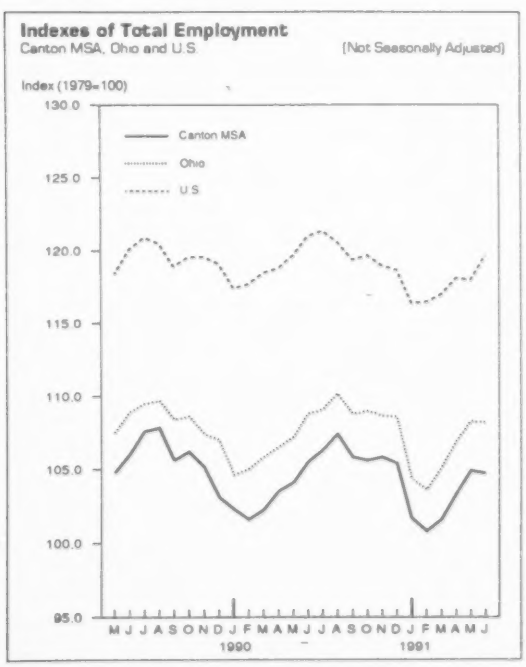
Canton Metropolitan Statistical Area

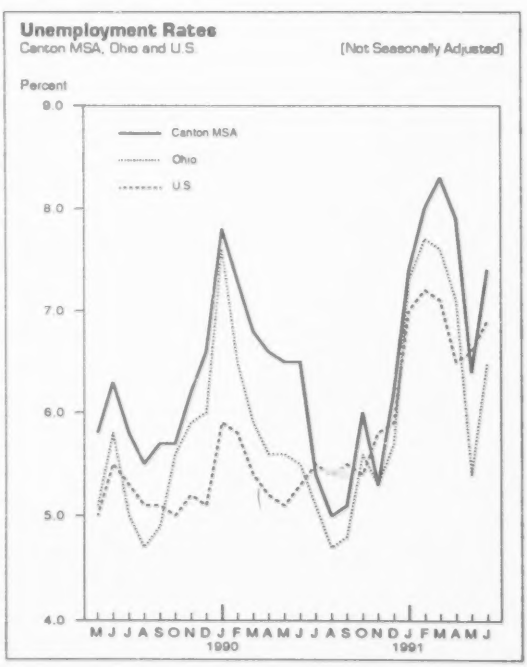


In the Canton metropolitan area, nonfarm payroll employment dropped 1,000 below the June level to 166,400 in July 1991. Temporary layoffs of nonteaching personnel in local schools lowered employment in service-producing industries 700. Employment in the goods-producing sector declined 400 over the month to 52,000. Scattered reductions among manufacturers of durable goods and rubber and miscellaneous plastics products outweighed seasonal gains in construction employment. Factory production workers averaged $11.26 per hour, down 13 cents from June. Their average workweek of 41.2 hours was 0.3 hours shorter.

Nonagricultural wage and salary employment declined 800 between July 1990 and July 1991. Over-the-year cutbacks in manufacturing lowered employment in the goods-producing sector 2,100. Noteworthy reductions occurred in rubber and miscellaneous plastics products (-1,100) and fabricated metal products (-500). The workforce in service-producing industries advanced 1,300 during the period due to expansion in services.

Seasonally adjusted employment in the Canton area decreased 1,000 from June to 165,000 in July 1991 mainly due to a decline in construction. Since July 1990, nonfarm payroll employment fell 1,000 as reductions in manufacturing and government more than offset growth in services.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.3	182.5	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.8	181.8	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
195.2	184.6	10.6	5.4	July	167.2	45.2	31.5	485.18	42.3	11.47
196.4	186.5	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.6	183.8	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
195.0	183.4	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.3	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
190.8	176.6	14.1	7.4	January	163.8	44.2	30.7	473.05	41.9	11.29
190.3	175.1	15.2	8.0	February	162.7	43.5	30.1	466.46	41.5	11.24
192.5	176.5	16.0	8.3	March	163.2	43.2	29.9	470.25	41.8	11.25
194.9	179.5	15.4	7.9	April	164.9	43.1	29.7	466.46	41.5	11.24
194.5	182.2	12.4	6.4	May	167.1	43.6	30.1	463.71	41.0	11.31
196.5	181.9	14.6	7.4	June	167.5	43.6	30.1	472.69	41.5	11.39
INA	INA	INA	INA	July	166.4	42.9	29.6	463.91	41.2	11.26

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	8	45	1990	113	6	9	33	7	40	19
				1990							
166	53	7	45	July	113	6	9	33	7	40	20
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	113	6	9	32	7	40	19
166	53	7	44	December	114	6	9	32	7	41	19
				1991							
167	53	8	45	January	114	6	9	33	7	40	20
167	52	8	44	February	114	6	9	33	7	41	20
166	52	8	44	March	114	6	9	33	7	41	19
166	52	8	43	April	114	6	9	32	7	41	19
166	52	8	44	May	114	6	9	32	7	41	19
166	52	8	43	June	114	6	9	33	7	41	19
165	51	7	43	July	115	6	9	33	7	41	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	166.4	167.5	167.2	-1.0	-.8
Goods-Producing Industries[e]	52.0	52.4	54.1	-.4	-2.1
Construction	8.3	8.1	8.1	.3	.2
Manufacturing	42.9	43.6	45.2	-.7	-2.3
Durable Goods[f]	32.7	33.0	33.8	-.3	-1.0
Primary Metal Industries	11.7	11.7	11.7	.0	.0
Fabricated Metal Products	5.2	5.2	5.7	.0	-.5
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.2
Nondurable Goods[g]	10.2	10.5	11.4	-.3	-1.3
Food and Kindred Products	3.1	3.1	3.1	.0	.1
Rubber and Miscellaneous Plastics Products	1.7	2.0	2.8	-.3	-1.1
Service-Producing Industries	114.4	115.1	113.1	-.7	1.3
Transportation and Public Utilities	5.8	5.8	5.7	.0	.1
Communications, Electric, Gas Services	2.8	2.9	2.8	.0	.0
Wholesale Trade	9.1	8.9	9.0	.1	.1
Retail Trade	32.8	32.9	32.8	.0	.0
General Merchandise Stores	3.6	3.6	3.8	.0	-.2
Food Stores	5.5	5.6	5.6	-.1	.0
Finance, Insurance, and Real Estate	6.7	6.7	6.9	.0	-.1
Finance	3.9	3.9	4.0	.0	-.1
Services	41.8	41.9	40.2	-.1	1.6
Health Services	16.7	16.6	16.1	.1	.6
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.7	7.7	7.5	.0	.3
Government	18.2	18.9	18.6	-.7	-.4
Federal Government	1.5	1.5	1.7	.0	-.2
State Government (Includes Education)	1.6	1.6	1.7	.0	-.1
Local Government	15.1	15.8	15.2	-.7	-.1
Local Government Education	8.5	9.3	8.6	-.8	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

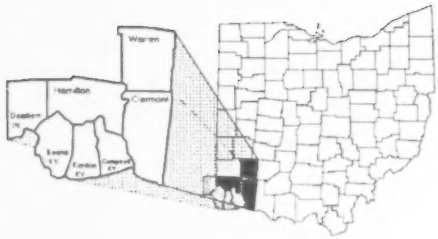
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$463.91	$472.69	$485.18	41.2	41.5	42.3	$11.26	$11.39	$11.47
Durable Goods[f]	478.30	488.57	509.76	41.7	42.3	43.2	11.47	11.55	11.80
Primary Metal Industries	520.26	533.48	579.68	43.5	43.8	46.3	11.96	12.18	12.52
Fabricated Metal Products	441.14	437.92	463.81	39.6	39.1	40.9	11.14	11.20	11.34
Electronic and Other Electric Equipment	568.58	607.32	509.33	39.9	42.0	37.7	14.25	14.46	13.51
Nondurable Goods[g]	415.54	423.06	413.92	39.5	39.1	39.8	10.52	10.82	10.40
Food and Kindred Products	407.69	433.55	425.71	37.3	39.2	39.2	10.93	11.06	10.86
Rubber and Miscellaneous Plastics Products	403.79	411.59	384.96	43.7	41.2	40.1	9.24	9.99	9.60
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	642.00	639.63	593.81	42.8	42.5	40.7	15.00	15.05	14.59
Wholesale Trade	390.56	397.65	381.15	38.9	39.1	38.5	10.04	10.17	9.90
Retail Trade[i]	180.50	181.63	174.99	27.6	27.9	28.5	6.54	6.51	6.14
General Merchandise Stores	207.51	199.30	196.25	29.9	28.8	29.6	6.94	6.92	6.63
Food Stores	185.37	186.10	167.30	29.1	29.4	28.5	6.37	6.33	5.87
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	206.72	203.62	194[j]	30.4	30.3	30.6	6.80	6.72	6.35

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

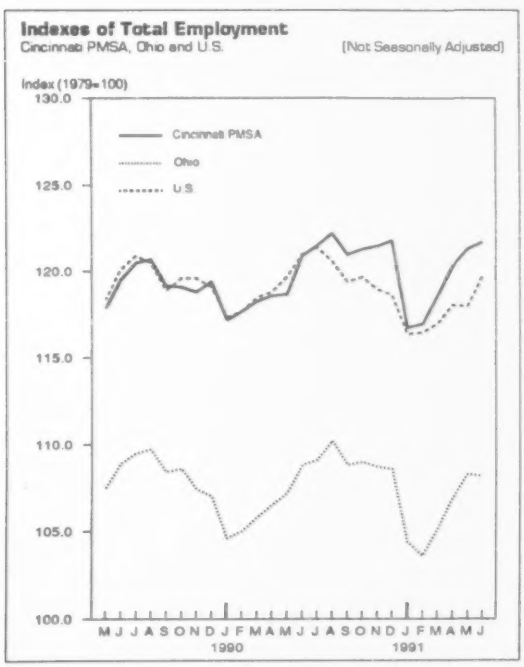
Cincinnati Primary Metropolitan Statistical Area

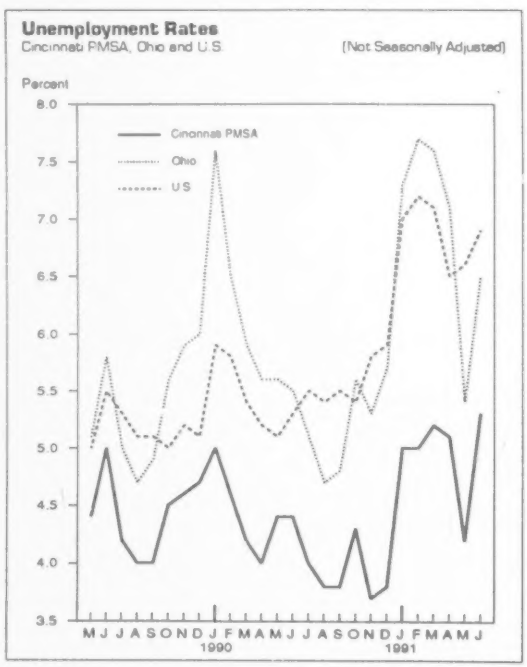


Nonfarm wage and salary employment in the Cincinnati metropolitan area fell 5,300 below the June level to 758,900 in July 1991. Service-producing industries lost 5,100 jobs due to seasonal layoffs of nonteaching personnel in local and state schools and colleges. Employment in goods-producing industries totaled 181,100, down 100 over the month as declines in manufacturing outweighed modest improvements in construction. Reductions in electronic and other electric equipment, transportation equipment, and rubber and miscellaneous plastics products negated a nominal gain in chemicals and allied products. Factory production workers averaged $12.77 per hour, up 15 cents from June. Their average workweek of 43.1 hours was 0.3 hours longer.

Nonagricultural payroll employment advanced 11,900 between July 1990 and July 1991. Expansion in the service-producing sector created 15,100 jobs. The leading growth industry was services, with notable gains in business services, health services, and engineering and management services. Moderate improvements were posted in retail trade, transportation and public utilities, and local schools. Cutbacks in durable-goods manufacturing lowered employment in goods-producing industries 3,200 from the year-ago level. Reductions in transportation equipment, electronic and other electric equipment, industrial machinery and equipment, and rubber and miscellaneous plastics products overshadowed gains in chemicals and allied products and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 757,000 in July 1991, unchanged from June. Increases in transportation and public utilities and government counterbalanced a decrease in manufacturing. Since July 1990, nonfarm payroll employment advanced 12,000. Growth in services, transportation and public utilities, retail trade, and government more than offset a decline in manufacturing.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
778.4	743.5	34.8	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
786.9	754.1	32.8	4.2	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
795.1	763.4	31.7	4.0	July	747.0	148.3	93.0	516.86	43.0	12.02
798.0	767.7	30.4	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
790.3	760.0	30.3	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
795.9	761.9	34.0	4.3	October	753.9	149.5	93.7	526.25	43.1	12.21
791.9	762.9	29.0	3.7	November	754.6	149.4	93.2	527.47	43.2	12.21
795.3	765.0	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
772.3	733.9	38.4	5.0	January	737.3	147.3	91.5	521.14	42.3	12.32
773.1	734.6	38.5	5.0	February	737.9	146.6	91.0	515.76	42.0	12.28
785.8	745.0	40.7	5.2	March	744.4	146.0	90.3	516.18	42.0	12.29
796.4	755.8	40.6	5.1	April	751.3	144.7	89.3	511.66	41.7	12.27
795.2	761.6	33.7	4.2	May	758.3	145.6	90.1	528.73	42.4	12.47
807.3	764.6	42.7	5.3	June	764.2	146.0	90.2	540.14	42.8	12.62
INA	INA	INA	INA	July	758.9	145.0	89.6	550.39	43.1	12.77

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
745	182	34	148	July	564	41	49	141	44	193	96
746	182	34	148	August	564	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	195	94
749	182	33	149	October	567	42	49	141	44	198	94
749	182	33	148	November	568	42	49	141	44	197	95
750	181	33	148	December	569	42	49	141	44	198	95
				1991							
752	182	33	148	January	570	42	48	142	44	198	96
753	182	34	148	February	571	42	49	141	44	199	96
754	181	34	147	March	573	42	48	142	44	200	96
753	180	34	146	April	573	42	49	142	44	200	96
754	180	34	146	May	574	42	49	142	44	201	96
757	180	34	146	June	577	42	49	143	44	202	97
757	179	34	145	July	579	43	49	143	44	202	98

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	758.9	764.2	747.0	-5.3	11.9
Goods-Producing Industries[e]	181.1	181.2	184.2	-.1	-3.2
Construction	35.7	34.8	35.5	.8	.2
Manufacturing	145.0	146.0	148.3	-.9	-3.3
Durable Goods[f]	75.3	76.0	80.0	-.7	-4.7
Fabricated Metal Products	11.4	11.3	11.7	.1	-.3
Fabricated Structural Metal Products	3.9	4.0	4.1	-.1	-.1
Industrial Machinery and Equipment	18.4	18.5	18.9	-.1	-.5
Electronic and Other Electric Equipment	6.9	7.2	7.9	-.3	-1.0
Transportation Equipment	23.8	24.1	25.2	-.3	-1.5
Motor Vehicles and Equipment	4.8	4.8	5.1	.0	-.2
Instruments and Related Products	3.5	3.6	3.8	-.1	-.3
Nondurable Goods[g]	69.7	70.0	68.3	-.3	1.4
Food and Kindred Products	12.1	12.2	11.9	-.1	.3
Beverages	2.9	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.1	3.2	3.3	-.1	-.2
Paper and Allied Products	6.1	6.2	6.0	-.1	.1
Printing and Publishing	15.1	15.2	14.6	-.1	.5
Commercial Printing	6.5	6.5	6.0	.0	.6
Chemicals and Allied Products	24.4	24.2	23.3	.2	1.2
Rubber and Miscellaneous Plastics Products	6.2	6.4	6.6	-.2	-.5
Service-Producing Industries	577.8	583.0	562.8	-5.1	15.1
Transportation and Public Utilities	42.6	42.4	41.2	.2	1.5
Transportation	25.7	25.6	24.4	.1	1.2
Trucking and Warehousing	10.9	10.7	10.6	.2	.2
Transportation by Air	8.1	7.9	7.3	.2	.8
Communications, Electric, Gas Services	17.0	16.9	16.7	.1	.2
Communications	9.9	9.9	9.9	.0	.0
Wholesale Trade	49.3	49.3	48.8	.1	.5
Wholesale Trade-Durable Goods	28.1	28.1	28.0	.0	.1
Retail Trade	143.3	143.2	141.1	.2	2.3
General Merchandise Stores	20.8	20.8	20.8	.0	.0
Finance, Insurance, and Real Estate	44.6	44.6	44.4	.1	.2
Finance	17.9	17.7	17.8	.1	.1
Depository Institutions	13.3	13.2	13.4	.1	-.1
Commercial Banks	9.6	9.5	9.4	.1	.1
Insurance	17.2	17.3	17.2	-.1	.0
Insurance Carriers	14.6	14.6	14.5	.0	.1
Life Insurance	6.8	6.8	6.7	.0	.1
Fire, Marine, and Casualty Insurance	5.6	5.5	5.4	.1	.1
Services	207.0	207.0	197.8	.0	9.3
Hotels and Other Lodging Places	8.4	8.2	7.9	.2	.5
Personal Services	8.7	8.7	8.5	-.1	.2
Business Services	42.2	41.7	39.3	.5	2.9
Services to Buildings	6.3	6.3	6.1	.0	.2
Computer and Data Processing Services	5.6	5.5	5.1	.1	.5
Amusements, Including Motion Pictures	15.6	15.7	15.4	-.2	.2
Health Services	61.3	60.9	59.2	.4	2.1
Nursing and Personal Care Facilities	12.0	12.0	11.4	.0	.6
Hospitals	28.5	28.4	28.2	.1	.2
Legal Services	4.6	4.6	4.4	.1	.2
Educational Services	6.5	7.1	6.5	-.6	.1
Social Services	13.8	13.6	13.1	.2	.7
Residential Care	5.0	5.0	4.7	.1	.3
Engineering and Management Services	19.3	19.4	17.9	-.1	1.4
Engineering and Architectural Services	6.6	6.6	6.1	.0	.4
Government	90.8	96.5	89.5	-5.7	1.3
Federal Government	16.0	16.3	16.4	-.3	-.4
State Government	20.2	21.9	19.6	-1.6	.6
State Government Education[h]	12.0	13.6	11.3	-1.6	.7
Local Government	54.6	58.3	53.5	-3.7	1.1
Local Government Education	28.6	33.0	27.7	-4.3	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

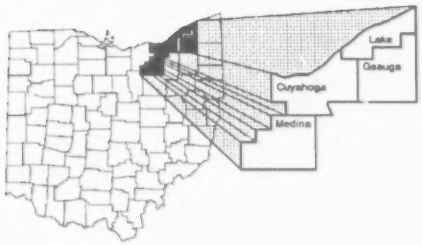
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$550.39	$540.14	$516.86	43.1	42.8	43.0	$12.77	$12.62	$12.02
Durable Goods[f]	552.05	543.49	503.76	43.4	43.1	42.8	12.72	12.61	11.77
Fabricated Metal Products	461.36	444.33	442.04	42.6	41.8	43.0	10.83	10.63	10.28
Fabricated Structural Metal Products	560.92	479.83	523.25	46.9	42.5	45.5	11.96	11.29	11.50
Industrial Machinery and Equipment	476.28	487.06	469.53	42.0	42.8	42.3	11.34	11.38	11.10
Electronic and Other Electric Equipment	401.44	399.51	395.91	41.6	41.4	41.5	9.65	9.65	9.54
Transportation Equipment	854.19	831.73	738.44	47.8	46.7	44.7	17.87	17.81	16.52
Motor Vehicles and Equipment	992.96	990.91	740.81	50.2	50.3	42.6	19.78	19.70	17.39
Instruments and Related Products	453.61	448.80	418.25	43.7	43.7	44.4	10.38	10.27	9.42
Nondurable Goods[g]	549.12	538.04	530.86	42.9	42.6	43.3	12.80	12.63	12.26
Food and Kindred Products	531.28	511.03	488.99	44.2	42.8	42.3	12.02	11.94	11.56
Beverages	606.32	608.81	561.96	41.5	41.5	42.0	14.61	14.67	13.38
Apparel and Other Textile Products	249.02	254.56	256.70	36.3	37.0	38.2	6.86	6.88	6.72
Paper and Allied Products	447.02	447.17	463.06	41.2	40.8	42.6	10.85	10.96	10.87
Printing and Publishing	529.17	512.93	519.98	41.7	41.1	41.9	12.69	12.48	12.41
Commercial Printing	573.95	542.82	553.67	44.7	43.6	44.4	12.84	12.45	12.47
Chemicals and Allied Products	683.08	680.51	676.01	44.5	44.8	45.8	15.35	15.19	14.76
Rubber and Miscellaneous Plastics Products	468.26	439.93	433.00	43.6	43.3	43.3	10.74	10.16	10.00
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	646.35	627.75	607.65	41.3	40.5	40.7	15.65	15.50	14.93
Communications	650.35	624.46	605.09	40.8	39.8	39.6	15.94	15.69	15.28
Wholesale Trade	466.08	463.27	444.04	39.7	39.8	39.4	11.74	11.64	11.27
Retail Trade[i]	188.01	185.18	179.66	28.4	28.1	28.7	6.62	6.59	6.26
General Merchandise Stores	238.68	234.85	225.88	31.2	30.5	30.9	7.65	7.70	7.31
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	292.53	289.75	306.89	....	....	....	.....	.....	.....
Commercial Banks	267.84	262.49	273.96	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	430.35	427.94	414.65	....	....	....	.....	.....	.....
Life Insurance	426.86	419.73	425.53	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	462.70	468.63	422.65	.. .	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	456.65	452.15	439.19	32.9	33.1	32.8	13.88	13.66	13.39
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	668.68	711.90	652.29	40.6	42.4	41.6	16.47	16.79	15.68

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Cleveland Primary Metropolitan Statistical Area

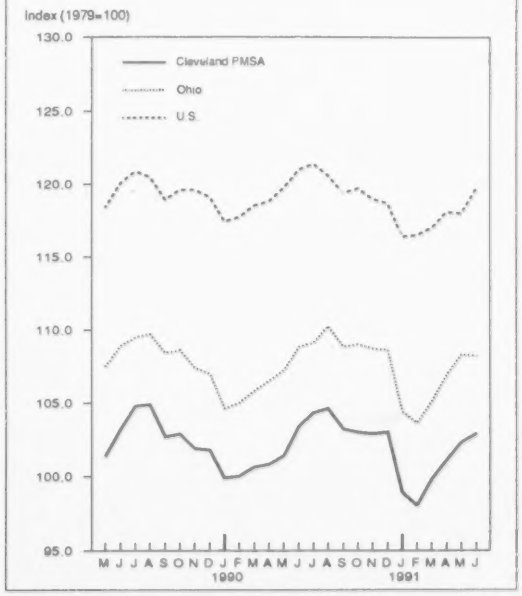


Nonagricultural payroll employment in the Cleveland metropolitan area fell 3,800 below the June level to 960,700 in July 1991. Seasonal layoffs of nonteaching personnel in local and private schools and less business in retail trade lowered employment in service-producing industries 3,800. The number of jobs in goods-producing industries was unchanged over the month at 240,600. Improvements in construction, particularly special trade contractors, counterbalanced scattered declines in manufacturing. Noteworthy reductions were posted in industrial machinery and equipment and in rubber and miscellaneous plastics products. Factory production workers averaged $12.56 per hour, down 13 cents from June. Their average workweek was 0.2 hours shorter at 42.2 hours.

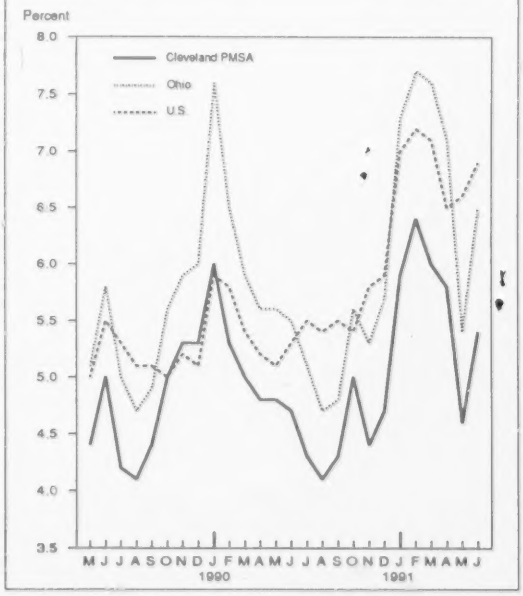
Nonfarm wage and salary employment decreased 2,000 between July 1990 and July 1991. The workforce in goods-producing industries dropped 6,000 as cutbacks in manufacturing overshadowed modest growth in construction. Significant over-the-year reductions occurred in industrial machinery and equipment (-2,400), primary metal industries (-1,000), and rubber and miscellaneous plastics products (-1,000). Moderate decreases were recorded in fabricated metal products, transportation equipment, and electronic and other electric equipment. Employment in service-producing industries advanced 4,000 during the period. Expansion in services, especially health services, outweighed declines in local and federal government.

Seasonally adjusted employment in the Cleveland area, at 949,000 in July 1991, decreased 4,000 from June due to reductions in government and retail trade. Since July 1990, nonfarm payroll employment lost 2,000 jobs. Declines in manufacturing and government more than offset gains in services and finance, insurance, and real estate.

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
953.5	907.5	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
954.8	909.1	45.7	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
969.0	926.9	42.1	4.3	July	962.7	207.8	132.2	514.74	42.4	12.14
969.6	930.3	39.4	4.1	August	956.3	206.1	131.1	518.38	42.7	12.14
958.0	917.2	40.8	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
964.4	915.9	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
956.7	914.6	42.2	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
960.9	915.4	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
935.0	879.5	55.5	5.9	January	932.4	204.1	128.3	510.38	41.8	12.21
931.5	871.5	60.0	6.4	February	926.4	199.2	123.7	496.43	41.3	12.02
944.4	887.2	57.1	6.0	March	936.6	201.7	126.2	505.10	41.3	12.23
954.5	898.9	55.6	5.8	April	943.6	201.9	126.8	510.88	41.3	12.37
953.6	909.8	43.8	4.6	May	953.4	201.8	126.9	515.43	41.4	12.45
967.3	914.6	52.7	5.4	June	964.5	202.8	127.5	538.06	42.4	12.69
INA	INA	INA	INA	July	960.7	201.2	126.2	530.03	42.2	12.56

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
951	243	35	207	July	708	43	65	163	58	261	118
948	242	35	206	August	707	43	65	164	58	262	115
953	242	34	205	September	711	43	65	164	58	261	120
953	242	34	207	October	711	43	65	164	58	261	120
949	240	34	204	November	710	43	65	164	58	261	119
949	239	35	203	December	710	43	65	163	58	261	119
				1991							
952	241	34	206	January	711	43	65	164	58	262	120
947	236	35	201	February	711	43	65	163	58	262	120
952	239	35	203	March	713	43	65	164	58	263	120
951	238	35	203	April	712	43	65	164	58	263	120
952	237	35	202	May	714	43	65	163	59	265	120
953	237	35	201	June	715	43	65	164	59	266	119
949	237	35	201	July	712	43	65	163	59	266	116

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	960.7	964.5	962.7	-3.8	-2.0
Goods-Producing Industries[e]	240.6	240.5	246.5	.0	-6.0
Construction	38.7	37.1	37.8	1.6	.8
Special Trade Contractors	26.8	25.6	26.3	1.2	.4
Manufacturing	201.2	202.8	207.8	-1.5	-6.6
Durable Goods[f]	135.8	136.7	141.5	-.9	-5.7
Stone, Clay, and Glass Products	3.5	3.7	3.7	-.1	-.2
Primary Metal Industries	19.4	19.4	20.3	-.1	-1.0
Iron and Steel Foundries	4.4	4.4	4.4	.0	.0
Fabricated Metal Products	34.0	34.0	34.6	.0	-.7
Screw Machine Products, Bolts, etc.	5.3	5.3	5.2	.0	.1
Metal Forgings and Stampings	10.9	10.9	11.0	.0	-.1
Industrial Machinery and Equipment	31.1	31.4	33.5	-.3	-2.4
Metalworking Machinery	12.0	12.0	13.1	-.1	-1.1
Electronic and Other Electric Equipment	15.1	15.1	15.6	.0	-.5
Electrical Industrial Apparatus	3.7	3.8	4.1	-.1	-.4
Electric Lighting and Wiring Equipment	5.2	5.1	5.3	.0	-.1
Transportation Equipment	18.7	19.0	19.4	-.2	-.7
Motor Vehicles and Equipment	11.4	11.7	11.8	-.3	-.4
Instruments and Related Products	7.2	7.2	7.3	.0	-.1
Measuring and Controlling Devices	5.1	5.1	5.0	.0	.1
Nondurable Goods[g]	65.4	66.1	66.3	-.7	-.9
Food and Kindred Products	6.2	6.4	6.4	-.2	-.2
Apparel and Other Textile Products	3.1	3.1	3.2	.0	-.1
Paper and Allied Products	5.9	5.9	5.9	.0	.0
Printing and Publishing	17.8	17.9	17.8	-.2	.0
Chemicals and Allied Products	15.1	15.1	15.1	.0	.1
Rubber and Miscellaneous Plastics Products	10.6	10.9	11.6	-.3	-1.0
Miscellaneous Plastics Products	7.1	7.3	7.3	-.2	-.2
Service-Producing Industries	720.1	724.0	716.2	-3.8	4.0
Transportation and Public Utilities	43.6	43.5	43.3	.1	.4
Transportation	26.5	26.4	25.7	.0	.8
Trucking and Warehousing	11.7	11.6	11.5	.2	.2
Transportation by Air	5.7	5.6	5.2	.1	.5
Communications, Electric, Gas Services	17.2	17.1	17.6	.1	-.4
Communications	10.1	10.1	10.4	.0	-.3
Electric, Gas, and Sanitary Services	7.1	7.0	7.2	.1	-.1
Wholesale Trade	65.7	65.4	65.6	.2	.0
Wholesale Trade-Durable Goods	45.1	44.8	45.0	.3	.1
Motor Vehicles, Parts, and Supplies	4.1	4.1	4.2	.0	-.1
Professional and Commercial Equipment	9.0	8.9	9.2	.1	-.2
Retail Trade	164.7	165.5	164.6	-.8	.1
General Merchandise Stores	19.5	19.7	20.2	-.2	-.8
Finance, Insurance, and Real Estate	59.4	59.0	58.8	.4	.6
Finance	27.9	27.7	28.2	.2	-.3
Depository Institutions	20.6	20.4	20.8	.2	-.2
Commercial Banks	13.0	13.0	13.3	.0	-.3
Insurance	19.7	19.5	19.0	.1	.6
Insurance Carriers	14.9	14.8	14.3	.1	.7
Fire, Marine, and Casualty Insurance	6.6	6.5	6.3	.1	.3
Services	268.8	269.5	264.0	-.6	4.9
Business Services	54.1	53.7	53.7	.4	.4
Personnel Supply Services	19.9	19.4	20.1	.5	-.2
Computer and Data Processing Services	7.1	7.0	6.9	.1	.2
Amusements, Including Motion Pictures	13.9	13.6	14.1	.3	-.2
Health Services	83.0	82.4	80.6	.6	2.4
Nursing and Personal Care Facilities	15.0	14.8	14.5	.3	.5
Hospitals	44.0	43.8	43.3	.2	.8
Legal Services	10.4	10.3	10.1	.1	.3
Educational Services	15.1	16.8	15.3	-1.6	-.1
Social Services	15.8	16.0	15.1	-.2	.7
Residential Care	4.5	4.5	4.2	.1	.3
Engineering and Management Services	23.6	23.3	22.7	.3	.9
Engineering and Architectural Services	8.9	8.8	8.4	.1	.4
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.3	.0	.1
Management and Public Relations	5.5	5.4	5.2	.1	.3
Government	117.9	121.1	119.9	-3.2	-1.9
Federal Government	19.7	19.7	20.6	-.1	-1.0
State Government	8.2	9.0	7.9	-.8	.3
State Government Education[h]	3.0	3.8	2.7	-.8	.3
Local Government	90.1	92.4	91.3	-2.3	-1.3
Local Government Education	39.8	43.9	41.2	-4.1	-1.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

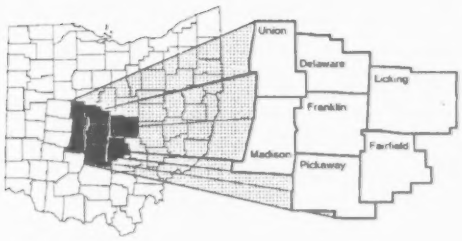
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$530.03	$538.06	$514.74	42.2	42.4	42.4	$12.56	$12.69	$12.14
Durable Goods[f]	554.09	569.71	546.10	42.2	42.9	43.0	13.13	13.28	12.70
Stone, Clay, and Glass Products	520.00	508.51	489.91	41.5	42.2	41.1	12.53	12.05	11.92
Primary Metal Industries	591.33	586.97	515.59	44.9	44.4	43.4	13.17	13.22	11.88
Iron and Steel Foundries	873.95	871.00	762.10	45.4	45.2	43.9	19.25	19.27	17.36
Fabricated Metal Products	564.92	584.73	530.45	42.7	43.8	42.2	13.23	13.35	12.57
Screw Machine Products, Bolts, etc.	490.18	547.24	539.61	41.4	44.6	43.1	11.84	12.27	12.52
Metal Forgings and Stampings	731.44	735.91	656.86	44.6	44.9	43.3	16.40	16.39	15.17
Industrial Machinery and Equipment	509.83	513.89	548.08	42.1	42.4	44.2	12.11	12.12	12.40
Metalworking Machinery	462.84	469.04	509.07	39.9	40.4	42.6	11.60	11.61	11.95
Electronic and Other Electric Equipment	422.28	425.81	425.08	39.1	39.5	40.6	10.80	10.78	10.47
Electrical Industrial Apparatus	434.77	442.66	466.58	40.9	41.8	44.1	10.63	10.59	10.58
Electric Lighting and Wiring Equipment	405.41	400.64	389.50	35.5	35.9	38.0	11.42	11.16	10.25
Transportation Equipment	743.83	804.58	778.43	42.7	44.6	45.1	17.42	18.04	17.26
Motor Vehicles and Equipment	817.50	893.30	873.18	43.3	45.6	46.2	18.88	19.59	18.90
Instruments and Related Products	417.98	427.45	463.26	39.1	39.8	42.0	10.69	10.74	11.03
Measuring and Controlling Devices	428.67	435.49	463.52	39.4	40.1	42.1	10.88	10.86	11.01
Nondurable Goods[g]	468.02	459.91	436.81	41.9	41.1	40.9	11.17	11.19	10.68
Food and Kindred Products	475.60	479.29	440.43	41.0	41.0	39.5	11.60	11.69	11.15
Apparel and Other Textile Products	410.29	419.93	381.79	39.3	40.3	38.8	10.44	10.42	9.84
Paper and Allied Products	515.83	513.91	513.09	43.9	43.7	44.5	11.75	11.76	11.53
Printing and Publishing	404.17	371.77	373.06	38.9	36.2	36.9	10.39	10.27	10.11
Chemicals and Allied Products	592.30	589.58	546.56	44.4	43.9	42.6	13.34	13.43	12.83
Rubber and Miscellaneous Plastics Products	383.68	386.46	381.97	41.3	41.2	42.3	9.29	9.38	9.03
Miscellaneous Plastics Products	391.52	388.82	396.46	41.3	40.8	43.0	9.48	9.53	9.22
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	518.50	545.72	499.73	35.2	37.2	35.9	14.73	14.67	13.92
Communications, Electric, Gas Services	702.90	701.71	627.59	44.6	44.3	40.7	15.76	15.84	15.42
Wholesale Trade	477.10	479.89	467.27	39.3	39.4	39.7	12.14	12.18	11.77
Retail Trade[i]	203.04	201.60	193.86	28.2	28.0	28.3	7.20	7.20	6.85
General Merchandise Stores	207.01	200.28	185.26	29.7	28.9	27.9	6.97	6.93	6.64
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	338.89	337.42	319.16	....	....	....	.....	.....	.....
Depository Institutions	307.51	307.14	293.50	....	....	....	.....	.....	.....
Commercial Banks	287.08	286.49	285.08	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	344.72	345.21	342.72	31.0	31.1	31.5	11.12	11.10	10.88
Nursing and Personal Care Facilities	261.95	257.74	251.26	33.8	33.3	34.0	7.75	7.74	7.39
Hospitals	380.27	385.62	374.85	30.3	30.8	30.6	12.55	12.52	12.25

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

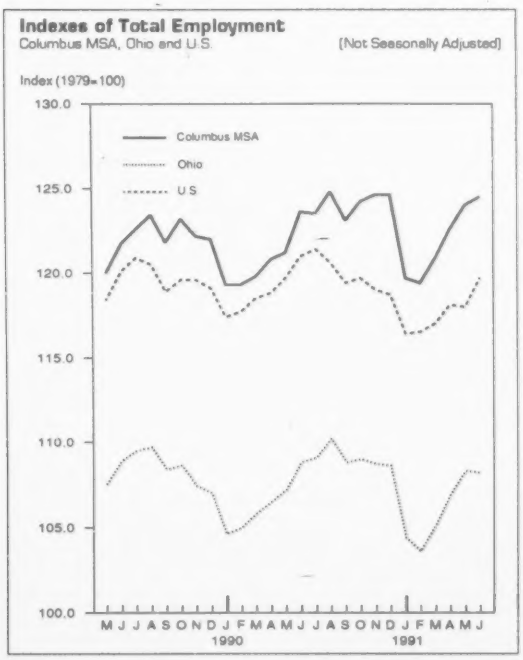
Columbus Metropolitan Statistical Area

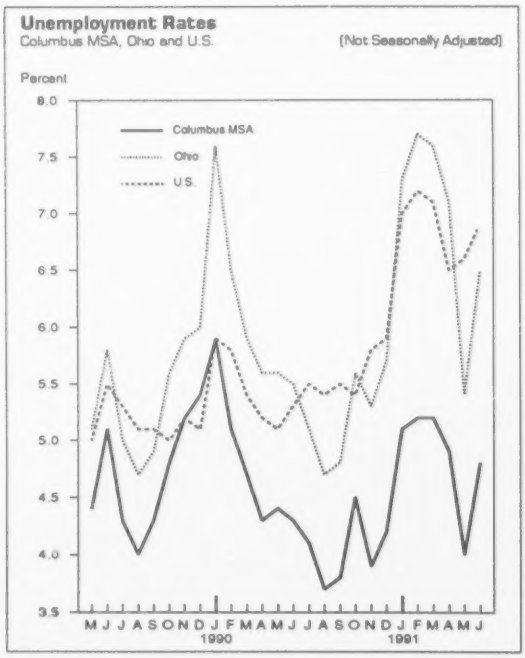


Nonagricultural wage and salary employment in the Columbus metropolitan area dropped 8,100 below the June level to 733,000 in July 1991. Employment in the service-producing sector fell 9,000 over the month. Seasonal layoffs of nonteaching personnel in state and local schools and colleges overshadowed moderate gains in services. The number of jobs in goods-producing industries rose 1,000 over the month to 137,300. Increased business in construction more than offset scattered declines in durable-goods manufacturing. Factory production workers averaged $13.01 per hour, up 8 cents from June. Their average workweek of 42.6 hours was 0.2 hours longer.

Total nonfarm payroll employment advanced 11,000 between July 1990 and July 1991. Expansion in service-producing industries contributed 91.8 percent of the gain. The leading growth industry was services, most notably business services (+3,400), health services (+2,000), and social services (+1,200). Noteworthy increases were posted in retail trade and wholesale trade. Moderate improvements in construction and manufacturing raised employment in goods-producing industries 900. Over-the-year gains in electronic and other electric equipment and food and kindred products outweighed cutbacks in fabricated metal products, industrial machinery and equipment, and instruments and related products.

Seasonally adjusted employment in the Columbus area increased 2,000 from June to 736,000 in July 1991 due to gains in wholesale trade, services, and government. Since July 1990, nonfarm payroll employment advanced 11,000. Services added 9,000 employees; construction, wholesale trade, and retail trade rose 1,000 each.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98 7	INA	INA	INA	INA
633.5	584 3	49.2	7.8	1984	576.4	104.7	69.3	$426 05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461 14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67 9	479.33	41.5	11.55
733.7	698.9	34.8	4.7	1989	704.7	104.9	69.5	500.82	41.7	12.01
739.5	706.9	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
744.1	713.2	30.9	4.1	July	722.0	103.8	68.7	524.15	42.1	12.45
748.3	720.9	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
739.5	711.1	28.4	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
750.9	717.2	33.7	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
748.9	719.6	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
751.7	719.8	31.9	4.2	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
728.4	691.4	37.0	5.1	January	717.4	104.3	69.3	529.59	41.7	12.70
727.5	689.6	38.0	5.2	February	717.7	103.6	68.9	524.10	41.3	12.69
736.7	698.3	38.4	5.2	March	722.6	103.6	69.0	537.13	41.8	12.85
744.5	707.9	36.6	4.9	April	727.5	103.7	69.0	541.80	42.0	12.90
745.3	715.9	29.5	4.0	May	734.5	104.0	69.4	544.80	42.2	12.91
755.6	719.0	36.6	4.8	June	741.1	104.4	69.5	548.23	42.4	12.93
INA	INA	INA	INA	July	733.0	104.2	69.3	554.23	42.6	13.01

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
725	134	29	104	July	592	31	36	148	61	184	131
726	135	29	105	August	591	31	36	149	61	185	130
726	135	29	105	September	591	31	36	149	61	185	130
727	135	29	105	October	592	31	36	149	61	186	130
727	134	29	104	November	593	31	36	149	61	186	130
728	134	29	104	December	593	31	36	149	61	187	130
				1991							
729	135	29	105	January	594	31	36	149	61	187	130
729	134	29	105	February	595	31	36	148	61	188	131
731	135	30	104	March	596	31	36	149	61	189	130
730	135	30	104	April	595	31	36	148	61	190	130
732	135	30	104	May	598	31	36	148	61	191	131
734	135	30	104	June	599	31	36	149	61	192	130
736	135	30	104	July	602	31	37	149	61	193	131

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	733.0	741.1	722.0	-8.1	11.0
Goods-Producing Industries[e]	137.3	136.3	136.3	1.0	.9
Construction	32.2	31.0	31.6	1.2	.6
Manufacturing	104.2	104.4	103.8	-.3	.4
Durable Goods[f]	65.7	65.9	65.1	-.2	.6
Stone, Clay, and Glass Products	9.2	9.4	9.2	-.2	.0
Glass and Glassware, Pressed or Blown	3.3	3.5	3.1	-.2	.2
Fabricated Metal Products	8.9	8.9	9.6	.1	-.7
Industrial Machinery and Equipment	9.4	9.5	10.0	.0	-.5
Electronic and Other Electric Equipment	10.6	10.5	9.4	.1	1.2
Transportation Equipment	15.7	15.7	15.6	.0	.0
Motor Vehicles and Equipment	14.1	14.1	14.0	.0	.1
Instruments and Related Products	4.0	4.1	4.5	-.1	-.5
Nondurable Goods[g]	38.5	38.5	38.7	.0	-.2
Food and Kindred Products	11.1	11.0	10.5	.1	.6
Dairy Products	4.2	4.2	3.9	.0	.3
Printing and Publishing	10.9	10.9	10.8	.0	.1
Chemicals and Allied Products	6.7	6.7	7.0	.0	-.3
Rubber and Miscellaneous Plastics Products	6.1	6.1	6.1	.0	.0
Service-Producing Industries	595.7	604.8	585.7	-9.0	10.1
Transportation and Public Utilities	30.9	30.8	30.9	.1	.1
Transportation	18.2	18.1	18.1	.1	.0
Trucking and Warehousing	13.1	13.0	13.0	.2	.2
Communications, Electric, Gas Services	12.8	12.8	12.8	.0	.0
Communications	8.0	8.0	7.9	.0	.1
Electric, Gas, and Sanitary Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	36.8	36.5	36.1	.3	.6
Wholesale Trade-Durable Goods	23.0	22.9	22.9	.1	.1
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.1	.0	.0
Machinery, Equipment, and Supplies	4.9	5.0	5.0	.0	-.1
Wholesale Trade-Nondurable Goods	13.8	13.6	13.3	.2	.5
Retail Trade	148.3	148.5	147.6	-.2	.8
General Merchandise Stores	20.8	20.6	20.8	.2	.0
Food Stores	16.3	16.2	17.3	.1	-1.0
Automotive Dealers and Service Stations	14.5	14.4	14.4	.1	.1
Finance, Insurance, and Real Estate	61.6	61.4	61.9	.2	-.3
Finance	24.3	24.3	24.7	-.1	-.4
Depository Institutions	13.4	13.5	14.0	-.1	-.6
Commercial Banks	11.3	11.4	11.6	-.1	-.3
Insurance	27.2	27.0	27.4	.2	-.2
Insurance Carriers	23.1	23.0	23.4	.1	-.3
Services	195.0	194.0	186.2	1.0	8.8
Business Services	46.2	46.0	42.8	.2	3.4
Personnel Supply Services	19.7	19.3	17.3	.4	2.4
Health Services	49.0	48.5	47.0	.5	2.0
Nursing and Personal Care Facilities	8.7	8.7	8.3	.1	.4
Hospitals	22.7	22.5	22.0	.1	.7
Legal Services	4.8	4.8	4.7	.0	.0
Educational Services	6.4	6.6	6.4	-.2	.0
Social Services	14.2	13.9	13.0	.3	1.2
Engineering and Management Services	19.0	18.8	18.4	.2	.6
Engineering and Architectural Services	5.4	5.4	5.0	.1	.4
Accounting, Auditing, and Bookkeeping	3.9	3.9	3.8	.0	.1
Research and Testing Services	5.8	5.8	5.9	.0	-.1
Government	123.1	133.5	123.1	-10.4	.0
Federal Government	15.7	15.6	17.4	.1	-1.7
State Government	52.4	58.4	52.8	-6.0	-.4
State Government Education[h]	19.3	24.7	19.2	-5.4	.1
Local Government	55.0	59.5	52.9	-4.4	2.2
Local Government Education	31.1	35.8	29.4	-4.7	1.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

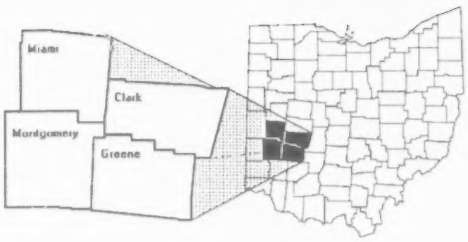
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$554.23	$548.23	$524.15	42.6	42.4	42.1	$13.01	$12.93	$12.45
Durable Goods[f]	570.31	570.21	542.72	43.0	43.1	42.4	13.27	13.23	12.80
Stone, Clay, and Glass Products	550.28	552.20	538.38	43.5	44.0	43.7	12.65	12.55	12.32
Glass and Glassware, Pressed or Blown	491.30	490.36	478.08	41.6	42.2	41.9	11.81	11.62	11.41
Fabricated Metal Products	558.07	556.52	524.28	41.4	41.5	40.8	13.48	13.41	12.85
Industrial Machinery and Equipment	522.92	557.67	551.62	41.7	43.5	44.2	12.54	12.82	12.48
Electronic and Other Electric Equipment	568.55	566.80	503.47	43.5	43.4	40.8	13.07	13.06	12.34
Transportation Equipment	688.56	671.84	634.23	45.3	44.7	43.5	15.20	15.03	14.58
Motor Vehicles and Equipment	702.24	685.35	642.39	45.6	45.0	43.7	15.40	15.23	14.70
Instruments and Related Products	433.09	434.03	441.25	40.4	40.3	41.2	10.72	10.77	10.71
Nondurable Goods[g]	522.08	506.76	489.29	41.8	41.1	41.5	12.49	12.33	11.79
Food and Kindred Products	461.00	465.55	441.42	42.1	42.4	42.0	10.95	10.98	10.51
Dairy Products	619.12	653.62	616.05	43.6	45.9	45.0	14.20	14.24	13.69
Printing and Publishing	611.24	582.12	569.33	41.3	39.6	40.9	14.80	14.70	13.92
Chemicals and Allied Products	662.12	634.54	614.79	42.8	41.5	41.4	15.47	15.29	14.85
Rubber and Miscellaneous Plastics Products	403.68	397.80	400.44	40.9	40.8	41.8	9.87	9.75	9.58
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	474.01	467.89	455.49	35.4	35.5	35.2	13.39	13.18	12.94
Communications, Electric, Gas Services	686.65	679.29	689.23	44.3	43.6	43.9	15.50	15.58	15.70
Communications	697.17	690.62	595.81	45.3	44.7	39.8	15.39	15.45	14.97
Electric, Gas, and Sanitary Services	668.82	660.86	841.98	42.6	41.8	50.6	15.70	15.81	16.64
Wholesale Trade	418.26	421.98	402.15	38.8	39.0	38.3	10.78	10.82	10.50
Retail Trade[i]	198.80	193.48	185.47	28.4	27.6	27.6	7.00	7.01	6.72
General Merchandise Stores	240.21	232.95	211.12	30.6	29.6	29.2	7.85	7.87	7.23
Food Stores	205.82	197.34	187.00	29.7	27.6	27.5	6.93	7.15	6.80
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	497.24	492.94	461.73	....	....	....	.....	.....	.....
Depository Institutions	308.33	303.49	298.31	....	....	....	.....	.....	.....
Commercial Banks	307.82	302.38	295.08	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	254.85	248.22	240.50	32.3	31.5	32.9	7.89	7.88	7.31
Hospitals	404.74	387.60	404.26	34.3	33.5	34.0	11.80	11.57	11.89
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	517.44	523.48	477.70	39.2	39.3	38.4	13.20	13.32	12.44

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

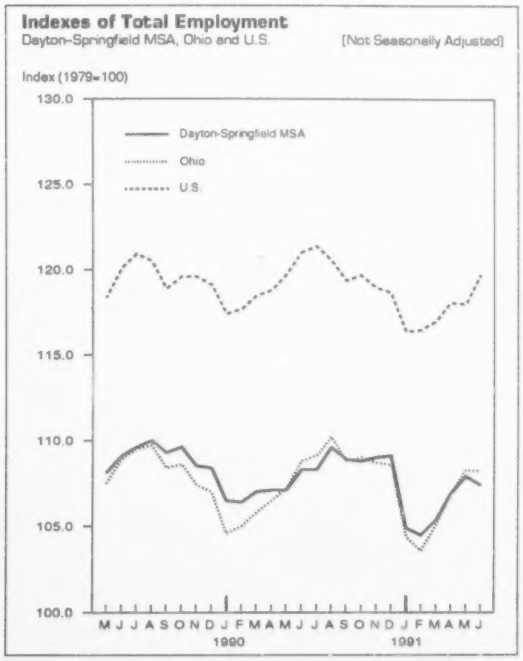
Dayton-Springfield Metropolitan Statistical Area

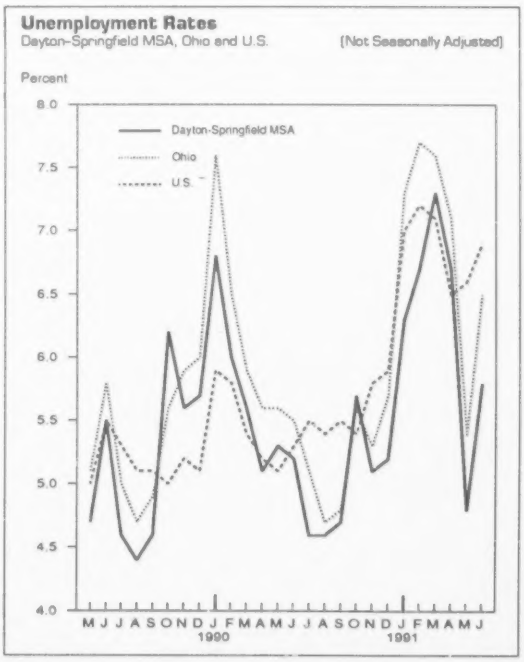


In the Dayton-Springfield metropolitan area, nonfarm payroll employment fell 5,100 below the June level to 448,900 in July 1991. The number of employees in service-producing industries dropped 4,700 mainly due to seasonal layoffs of nonteaching personnel in local schools and less business in retail trade and services. Employment in goods-producing industries declined 300 over the month to 116,000. Scattered decreases among manufacturers of nondurable and durable goods negated nominal gains in construction. Factory production workers averaged $14.02 per hour, down fractionally from June. Their average workweek of 42.4 hours was 0.1 hours longer.

Nonagricultural wage and salary employment declined 600 between July 1990 and July 1991. Over-the-year cutbacks in manufacturing lowered employment in the goods-producing sector 5,400. Significant reductions were posted in industrial machinery and equipment (-1,900) and transportation equipment (-1,000). Noteworthy decreases occurred in fabricated metal products and in printing and publishing. Expansion in service-producing industries created 4,800 jobs during the period. Growth in services, especially health and business services, and in retail trade more than offset declines in government.

Seasonally adjusted employment in the Dayton-Springfield area totaled 452,000 in July 1991, unchanged from June. An increase in retail trade counterbalanced a decrease in manufacturing. Since July 1990, nonfarm payroll employment lost 1,000 jobs. Reductions in manufacturing and government negated gains in services, retail trade, transportation and public utilities, and finance, insurance, and real estate.





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.2	453.8	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
476.8	451.5	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
474.5	452.6	21.9	4.6	July	449.6	103.9	67.0	570.54	42.2	13.52
480.1	458.0	22.1	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
477.3	455.0	22.3	4.7	September	456.3	103.2	66.9	590.04	43.1	13.69
482.1	454.7	27.4	5.7	October	456.4	102.6	66.8	580.98	42.5	13.67
480.2	455.8	24.4	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
480.9	456.0	24.9	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
468.2	438.6	29.6	6.3	January	445.6	100.1	64.6	562.51	41.3	13.62
468.1	436.7	31.4	6.7	February	445.1	98.7	63.3	545.66	40.6	13.44
475.2	440.5	34.7	7.3	March	446.0	96.9	61.6	551.86	41.0	13.46
478.7	446.8	31.9	6.7	April	449.7	97.4	62.1	562.63	41.4	13.59
473.7	451.2	22.5	4.8	May	453.3	98.7	63.6	573.12	41.5	13.81
476.8	449.0	27.8	5.8	June	454.0	99.3	63.9	593.89	42.3	14.04
INA	INA	INA	INA	July	448.9	98.6	62.8	594.45	42.4	14.02

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
453	120	16	103	July	333	18	20	82	17	118	77
453	119	16	103	August	334	18	20	82	17	118	78
452	118	16	102	September	334	19	20	82	17	119	77
452	118	15	102	October	334	18	20	82	17	119	77
452	117	15	101	November	334	19	20	82	17	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
451	117	15	101	January	334	18	20	83	18	119	77
452	116	16	100	February	336	18	20	83	18	120	77
450	114	16	98	March	336	19	20	83	18	120	77
450	114	16	98	April	336	19	20	83	18	120	76
452	115	16	99	May	337	19	20	83	18	121	77
452	115	16	99	June	337	19	20	83	18	121	76
452	114	16	98	July	338	19	20	84	18	121	76

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	448.9	454.0	449.6	-5.1	-.6
Goods-Producing Industries[e]	116.0	116.3	121.4	-.3	-5.4
Construction	17.0	16.5	17.1	.5	-.1
Manufacturing	98.6	99.3	103.9	-.8	-5.3
Durable Goods[f]	69.7	70.0	74.3	-.3	-4.6
Fabricated Metal Products	7.8	7.8	8.4	.0	-.6
Industrial Machinery and Equipment	29.4	29.3	31.3	.1	-1.9
Metalworking Machinery	7.6	7.6	8.6	.0	-1.0
General Industrial Machinery	2.8	2.7	2.9	.1	-.1
Electronic and Other Electric Equipment	3.2	3.3	3.5	-.1	-.3
Transportation Equipment	20.9	20.9	21.8	-.1	-1.0
Motor Vehicles and Equipment	18.2	18.2	18.7	.0	-.5
Nondurable Goods[g]	28.9	29.4	29.6	-.5	-.7
Food and Kindred Products	2.8	2.8	2.7	-.1	.1
Paper and Allied Products	6.3	6.3	6.4	.0	.0
Printing and Publishing	8.4	8.6	9.0	-.1	-.5
Rubber and Miscellaneous Plastics Products	7.7	7.9	7.9	-.2	-.1
Service-Producing Industries	333.0	337.7	328.2	-4.7	4.8
Transportation and Public Utilities	18.9	19.0	18.4	.0	.5
Transportation	12.3	12.4	11.9	.0	.4
Trucking and Warehousing	6.1	6.0	6.1	.1	.0
Communications, Electric, Gas Services	6.6	6.6	6.5	.0	.1
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	20.2	20.2	20.0	.1	.3
Wholesale Trade-Durable Goods	13.6	13.7	13.6	.0	.0
Wholesale Trade-Nondurable Goods	6.6	6.5	6.4	.1	.2
Retail Trade	83.5	83.9	82.0	-.5	1.4
General Merchandise Stores	12.6	12.6	12.6	.0	.0
Finance, Insurance, and Real Estate	18.1	18.0	17.7	.1	.5
Finance	9.7	9.7	9.6	.0	.1
Depository Institutions	7.4	7.4	7.3	.0	.1
Insurance	4.7	4.6	4.4	.1	.3
Services	120.6	121.2	117.6	-.5	3.0
Business Services	25.0	25.0	24.1	.0	.8
Personnel Supply Services	7.7	7.6	7.2	.1	.5
Computer and Data Processing Services	6.2	6.2	5.9	.1	.3
Health Services	40.4	40.1	39.3	.3	1.1
Nursing and Personal Care Facilities	7.1	7.1	7.0	.0	.2
Hospitals	20.3	20.1	19.9	.2	.4
Educational Services	5.9	6.6	5.6	-.7	.3
Social Services	6.5	6.6	6.2	-.1	.3
Engineering and Management Services	10.4	10.4	10.5	.0	-.1
Research and Testing Services	3.3	3.2	3.3	.0	.0
Government	71.6	75.5	72.6	-3.9	-1.0
Federal Government	28.1	28.2	29.1	.0	-.9
State Government	6.8	7.8	6.7	-.9	.1
State Government Education[h]	3.9	4.8	3.7	-.9	.2
Local Government	36.7	39.6	36.8	-3.0	-.1
Local Government Education	20.0	23.1	20.2	-3.1	-.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

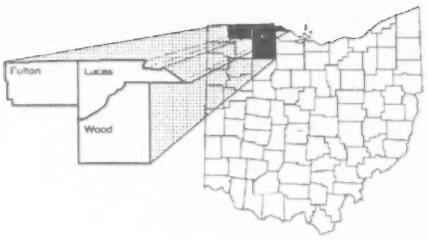
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$594.45	$593.89	$570.54	42.4	42.3	42.2	$14.02	$14.04	$13.52
Durable Goods[f]	618.19	615.73	590.01	42.9	42.7	42.6	14.4	14.42	13.85
Fabricated Metal Products	414.83	401.17	395.69	41.4	40.4	40.5	10.02	9.93	9.77
Industrial Machinery and Equipment	640.76	642.23	598.77	43.5	43.6	42.8	14.73	14.73	13.99
Metalworking Machinery	584.21	598.07	579.44	43.5	44.4	44.3	13.43	13.47	13.08
General Industrial Machinery	601.96	574.76	501.73	46.7	45.4	42.7	12.89	12.66	11.75
Electronic and Other Electric Equipment	379.39	385.12	387.82	41.6	41.5	42.9	9.12	9.28	9.04
Transportation Equipment	785.81	783.98	752.48	43.9	43.7	43.8	17.90	17.94	17.18
Motor Vehicles and Equipment	796.65	799.71	762.56	43.7	43.7	43.8	18.23	18.30	17.41
Nondurable Goods[g]	532.25	535.60	512.50	41.1	41.2	41.0	12.95	13.00	12.50
Food and Kindred Products	359.88	357.21	337.74	40.3	40.5	39.0	8.93	8.82	8.66
Paper and Allied Products	512.83	514.46	490.16	42.7	42.8	43.3	12.01	12.02	11.32
Printing and Publishing	483.17	462.43	460.60	39.8	38.6	39.3	12.14	11.98	11.72
Rubber and Miscellaneous Plastics Products	683.20	707.47	695.93	40.0	40.8	41.4	17.08	17.34	16.81
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	623.42	614.54	570.04	41.7	41.3	40.4	14.95	14.88	14.11
Communications	652.70	633.95	575.48	42.8	41.9	40.3	15.25	15.13	14.28
Wholesale Trade	392.17	394.57	394.02	39.1	39.3	39.6	10.03	10.04	9.95
Retail Trade[i]	185.82	183.58	179.47	28.5	28.2	28.9	6.52	6.51	6.21
General Merchandise Stores	205.91	194.42	187.41	29.5	28.3	28.7	6.98	6.87	6.53
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	279.88	282.05	270.29	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	428.25	420.70	421.26	33.8	33.9	34.7	12.67	12.41	12.14

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

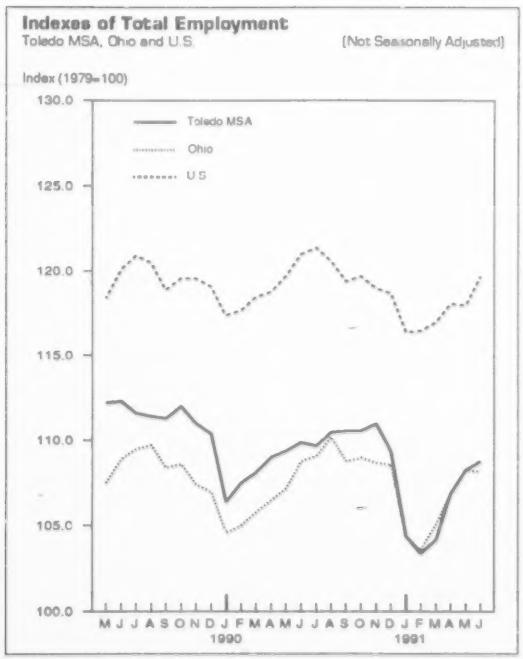
Toledo Metropolitan Statistical Area

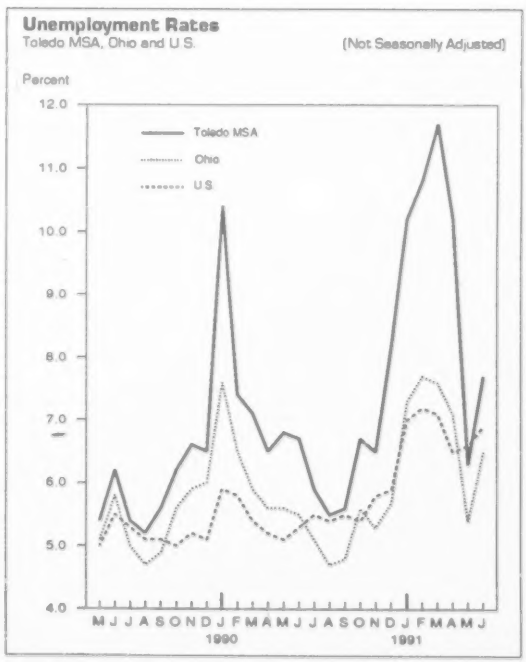


Nonfarm wage and salary employment in the Toledo metropolitan area dropped 8,500 below the June level to 283,600 in July 1991. Seasonal layoffs of nonteaching personnel in local and state schools and colleges helped lower employment in service-producing industries 4,300. Employment in the goods-producing sector fell 4,200 over the month to 66,200 due to temporary layoffs in durable-goods manufacturing, particularly in transportation equipment (-4,400). Factory production workers averaged $13.63 per hour, down 36 cents from June. Their average workweek of 42.3 hours was 0.4 hours longer.

Nonagricultural payroll employment declined 5,300 between July 1990 and July 1991. Current layoffs and over-the-year cutbacks in durable-goods manufacturing reduced the workforce in goods-producing industries 6,900. Noteworthy losses were posted in transportation equipment, stone, clay, and glass products, and fabricated metal products. Expansion in service-producing industries created 1,600 jobs during the period. Growth in services, especially health services, outweighed declines in retail trade.

Seasonally adjusted employment in the Toledo area totaled 287,000 in July 1991, down 4,000 from June due to temporary shutdowns in manufacturing. Since July 1990, nonfarm payroll employment dropped 5,000. Scattered decreases, primarily in manufacturing, overshadowed moderate growth in services.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.5	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.23
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
316.2	297.4	18.8	6.0	1989	291.9	61.5	43.9	576.81	43.5	13.26
313.9	292.1	21.8	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
311.6	293.1	18.5	5.9	July	288.9	60.4	43.4	576.09	42.8	13.46
312.3	295.2	17.1	5.5	August	288.4	60.4	43.5	584.87	43.1	13.57
312.9	295.4	17.5	5.6	September	294.4	61.1	44.2	610.94	44.4	13.76
316.7	295.4	21.2	6.7	October	294.8	59.5	42.8	585.30	43.1	13.58
317.3	296.6	20.7	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
318.4	292.3	26.1	8.2	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
310.7	279.0	31.7	10.2	January	281.7	53.9	37.2	566.95	42.5	13.34
309.6	276.2	33.4	10.8	February	280.0	52.9	36.2	561.26	42.2	13.30
315.2	278.4	36.8	11.7	March	280.4	50.1	33.5	549.87	42.2	13.03
318.2	285.6	32.6	10.2	April	285.7	53.1	36.5	570.97	42.2	13.53
308.8	289.4	19.4	6.3	May	288.9	53.4	36.8	570.88	42.1	13.56
315.1	290.8	24.3	7.7	June	292.1	58.3	41.6	586.18	41.9	13.99
INA	INA	INA	INA	July	283.6	53.8	37.1	576.55	42.3	13.63

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
292	72	12	60	July	220	15	15	57	12	77	44
292	72	12	60	August	220	15	15	57	12	77	44
291	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	220	15	15	57	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
287	67	11	56	December	220	15	15	56	12	78	44
				1991							
287	66	11	55	January	221	15	15	56	12	78	44
285	65	11	54	February	220	15	15	56	12	78	43
283	62	11	51	March	221	15	15	56	12	79	44
286	65	11	53	April	221	15	15	56	12	79	44
287	65	11	54	May	222	15	15	56	12	79	44
291	70	11	58	June	222	14	15	56	12	80	44
287	65	11	54	July	221	14	15	56	12	80	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	283.6	292.1	288.9	-8.5	-5.3
Goods-Producing Industries[e]	66.2	70.4	73.1	-4.2	-6.9
Construction	12.2	11.9	12.4	.3	-.2
Manufacturing	53.8	58.3	60.4	-4.5	-6.7
Durable Goods[f]	38.8	43.2	45.4	-4.5	-6.7
Stone, Clay, and Glass Products	7.3	7.3	8.1	.0	-.9
Primary Metal Industries	3.0	3.1	3.1	-.1	-.2
Fabricated Metal Products	6.5	6.4	6.9	.1	-.4
Metal Forgings and Stampings	2.5	2.4	2.7	.1	-.2
Industrial Machinery and Equipment	5.6	5.7	5.8	-.1	-.2
Transportation Equipment	9.3	13.6	14.5	-4.4	-5.2
Nondurable Goods[g]	15.0	15.1	15.0	.0	.0
Food and Kindred Products	3.6	3.8	3.7	-.1	-.1
Rubber and Miscellaneous Plastics Products	3.8	3.7	3.8	.1	.0
Service-Producing Industries	217.3	221.7	215.8	-4.3	1.6
Transportation and Public Utilities	14.7	14.5	15.0	.2	-.2
Transportation	9.9	9.8	10.2	.2	-.2
Communications, Electric, Gas Services	4.8	4.8	4.8	.0	.0
Wholesale Trade	15.1	15.1	15.4	.0	-.3
Wholesale Trade-Durable Goods	9.9	9.8	10.0	.1	-.2
Wholesale Trade-Nondurable Goods	5.3	5.3	5.4	.0	-.1
Retail Trade	56.3	56.8	57.1	-.4	-.8
General Merchandise Stores	8.4	8.3	8.5	.1	-.1
Finance, Insurance, and Real Estate	12.2	12.2	12.2	.0	.0
Finance	6.2	6.2	6.3	.0	-.1
Insurance	3.8	3.8	3.8	.0	.1
Services	80.6	80.8	77.6	-.2	2.9
Business Services	13.3	13.1	13.0	.2	.3
Personnel Supply Services	5.2	5.1	4.9	.1	.3
Health Services	29.6	29.2	28.1	.3	1.5
Nursing and Personal Care Facilities	4.3	4.1	4.1	.1	.2
Hospitals	15.9	15.7	15.2	.1	.6
Engineering and Management Services	6.4	6.4	6.1	.0	.3
Government	38.4	42.3	38.5	-3.9	-.1
Federal Government	2.4	2.4	2.8	.0	-.4
State Government	13.1	14.3	13.1	-1.2	-.1
State Government Education[h]	8.7	9.9	8.7	-1.3	.0
Local Government	22.9	25.6	22.5	-2.7	.4
Local Government Education	12.1	14.9	11.5	-2.8	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

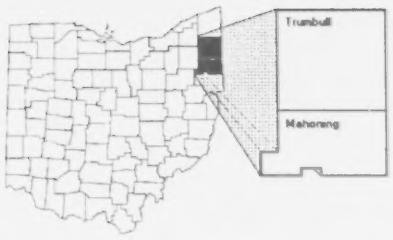
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$576.55	$586.18	$576.09	42.3	41.9	42.8	$13.63	$13.99	$13.46
Durable Goods[f]	576.87	588.80	582.00	42.2	41.7	42.7	13.67	14.12	13.63
Stone, Clay, and Glass Products	546.84	520.68	540.33	42.0	40.3	43.4	13.02	12.92	12.45
Primary Metal Industries	580.93	572.50	524.96	46.4	45.8	45.1	12.52	12.50	11.64
Fabricated Metal Products	537.18	546.98	489.72	42.0	42.8	42.4	12.79	12.78	11.55
Metal Forgings and Stampings	768.68	763.84	661.99	44.0	44.0	41.4	17.47	17.36	15.99
Industrial Machinery and Equipment	482.21	494.21	510.41	40.9	41.6	43.0	11.79	11.88	11.87
Transportation Equipment	749.63	730.18	735.91	41.6	41.3	42.1	18.02	17.68	17.48
Nondurable Goods[g]	573.67	576.73	556.85	42.4	42.5	43.1	13.53	13.57	12.92
Food and Kindred Products	773.14	767.79	704.05	47.2	47.6	47.7	16.38	16.13	14.76
Rubber and Miscellaneous Plastics Products	346.76	344.73	380.69	40.7	40.7	41.2	8.52	8.47	9.24
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	680.24	663.28	638.69	43.3	42.6	41.1	15.71	15.57	15.54
Wholesale Trade	428.25	422.53	413.52	39.8	39.6	39.8	10.76	10.67	10.39
Retail Trade[i]	176.63	175.07	169.46	27.3	27.1	27.6	6.47	6.46	6.14
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	352.36	355.02	355.11	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

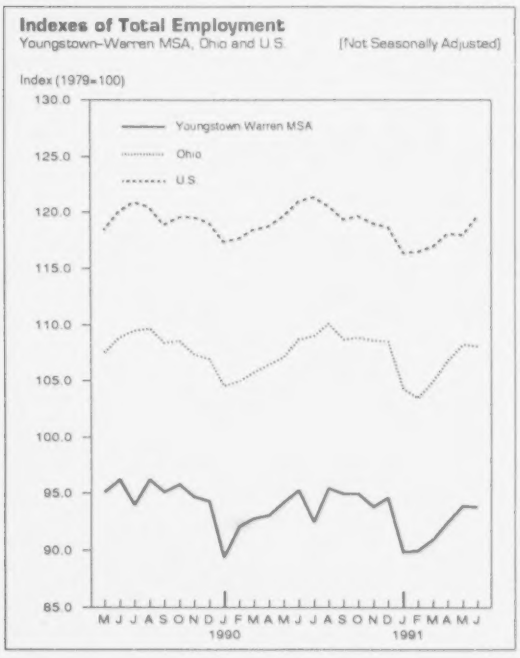
Youngstown-Warren Metropolitan Statistical Area

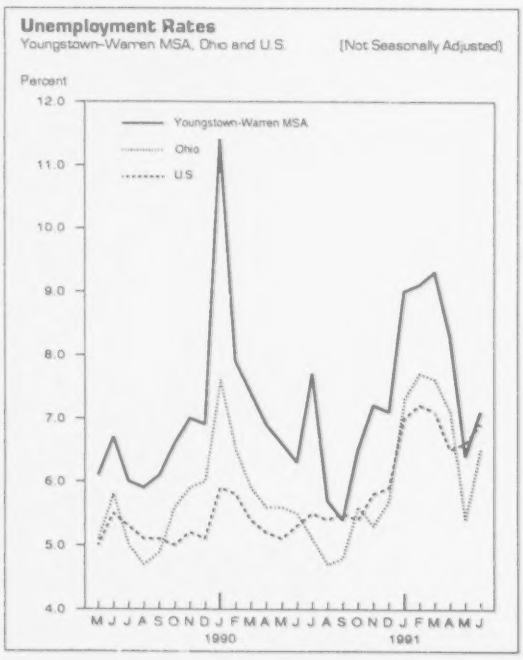


Nonfarm payroll employment in the Youngstown-Warren metropolitan area dropped 2,600 below the June level to 197,800 in July 1991. Seasonal layoffs of nonteaching personnel in local and state schools and colleges lowered employment in service-producing industries 2,400. The workforce in the goods-producing sector decreased 200 over the month to 56,800. Reductions in manufacturing, particularly primary metal industries and fabricated metal products, outweighed improvements in construction. Factory production workers averaged $15.13 per hour, down 47 cents from June. Their average workweek of 40.3 hours was 1.9 hours shorter.

Nonagricultural wage and salary employment advanced 4,400 between July 1990 and July 1991. The number of jobs in goods-producing industries increased 3,300 above the year-ago level. Temporary shutdowns for model changeovers in transportation equipment significantly reduced manufacturing employment in July 1990. Expansion in service-producing industries added 1,100 employees to the workforce. Growth in services more than offset declines in transportation and public utilities and in retail trade.

Seasonally adjusted employment in the Youngstown-Warren area rose 2,000 from June to 199,000 in July 1991 mainly due to an increase in manufacturing. Since July 1990, nonfarm payroll employment advanced 4,000. Improvements were posted in manufacturing, services, and government.





Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.2	208.4	14.9	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
221.8	205.9	15.9	7.2	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
220.2	203.3	16.9	7.7	July	193.4	43.9	31.4	604.56	42.1	14.36
222.8	210.0	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
220.9	209.0	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
223.3	208.8	14.5	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
222.4	206.4	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
224.3	208.3	16.0	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
217.4	197.8	19.6	9.0	January	192.7	46.3	34.0	655.19	42.6	15.38
217.8	197.9	19.9	9.1	February	193.7	47.5	35.2	645.54	42.0	15.37
220.6	200.0	20.6	9.3	March	194.5	47.0	34.8	651.42	42.3	15.40
221.8	203.4	18.4	8.3	April	196.4	47.6	35.4	627.06	41.2	15.22
220.7	206.7	14.0	6.4	May	199.3	47.9	35.7	629.41	41.3	15.24
222.2	206.4	15.8	7.1	June	200.4	48.3	36.1	658.32	42.2	15.60
INA	INA	INA	INA	July	197.8	47.8	35.5	609.74	40.3	15.13

INA – Information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
195	54	8	45	July	141	7	11	42	8	48	24
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	48	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
197	55	8	47	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
198	56	8	48	January	142	7	11	42	8	48	24
198	56	8	48	February	142	7	11	42	8	48	24
197	55	8	47	March	142	7	11	42	8	48	24
197	56	8	48	April	141	7	11	42	8	49	24
197	56	8	47	May	141	7	11	42	8	49	24
197	56	8	47	June	142	7	11	42	8	49	25
199	58	8	49	July	142	7	11	42	8	49	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	197.8	200.4	193.4	-2.6	4.4
Goods-Producing Industries[e]	56.8	57.0	53.5	-.2	3.3
Construction	8.6	8.3	9.1	.3	-.5
Manufacturing	47.8	48.3	43.9	-.5	3.9
Durable Goods[f]	41.9	42.5	38.6	-.6	3.3
Primary Metal Industries	17.6	18.0	18.2	-.4	-.6
Blast Furnace and Basic Steel Products	6.4	6.4	6.4	.0	-.1
Fabricated Metal Products	7.0	7.1	7.2	-.1	-.2
Metal Forgings and Stampings	3.6	3.8	3.8	-.1	-.2
Industrial Machinery and Equipment	4.0	3.9	4.3	.0	-.3
Transportation Equipment	8.7	8.6	4.0	.0	4.7
Nondurable Goods[g]	5.9	5.8	5.3	.1	.6
Service-Producing Industries	141.0	143.5	139.9	-2.4	1.1
Transportation and Public Utilities	7.0	7.1	7.3	-.1	-.3
Wholesale Trade	11.4	11.4	11.5	.0	-.1
Wholesale Trade-Durable Goods	6.7	6.6	6.8	.0	-.1
Wholesale Trade-Nondurable Goods	4.7	4.8	4.7	.0	.1
Retail Trade	42.3	42.5	42.5	-.3	-.3
General Merchandise Stores	5.3	5.2	5.7	.1	-.4
Finance, Insurance, and Real Estate	8.4	8.4	8.4	.0	.0
Finance	4.8	4.8	4.7	.0	.1
Services	49.9	49.6	48.3	.2	1.6
Health Services	22.0	21.8	21.6	.2	.4
Nursing and Personal Care Facilities	5.2	5.1	5.1	.1	.0
Hospitals	10.8	10.8	10.7	.0	.1
Government	22.1	24.4	21.9	-2.3	.2
State Government	3.4	4.6	3.5	-1.2	-.1
State Government Education[h]	1.9	3.0	1.9	-1.2	.0
Local Government	16.6	17.8	16.0	-1.1	.6
Local Government Education	9.6	10.9	9.0	-1.3	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

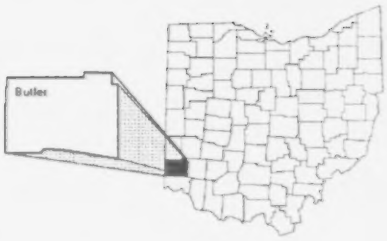
Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$609.74	$658.32	$604.56	40.3	42.2	42.1	$15.13	$15.60	$14.36
Durable Goods[f]	630.18	678.92	619.29	40.5	42.3	42.1	15.56	16.05	14.71
Primary Metal Industries	654.43	666.26	690.26	40.1	40.7	42.9	16.32	16.37	16.09
Blast Furnace and Basic Steel Products	624.63	617.14	662.63	44.3	43.8	46.5	14.10	14.09	14.25
Fabricated Metal Products	630.94	731.87	598.33	41.4	44.9	41.9	15.24	16.30	14.28
Metal Forgings and Stampings	758.78	920.33	715.28	41.6	47.1	42.5	18.24	19.54	16.83
Industrial Machinery and Equipment	491.93	485.85	502.25	39.8	39.5	40.8	12.36	12.30	12.31
Transportation Equipment	702.48	825.33	702.41	40.7	45.1	44.4	17.26	18.30	15.82
Nondurable Goods[g]	438.01	470.60	463.70	38.9	41.1	41.7	11.26	11.45	11.12
Wholesale Trade	392.33	394.20	377.30	37.4	37.4	38.5	10.49	10.54	9.80
Retail Trade[i]	188.92	188.50	182.27	27.3	27.2	27.7	6.92	6.93	6.58
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	238.10	233.76	225.26	....	....	....	.....	.....	.....

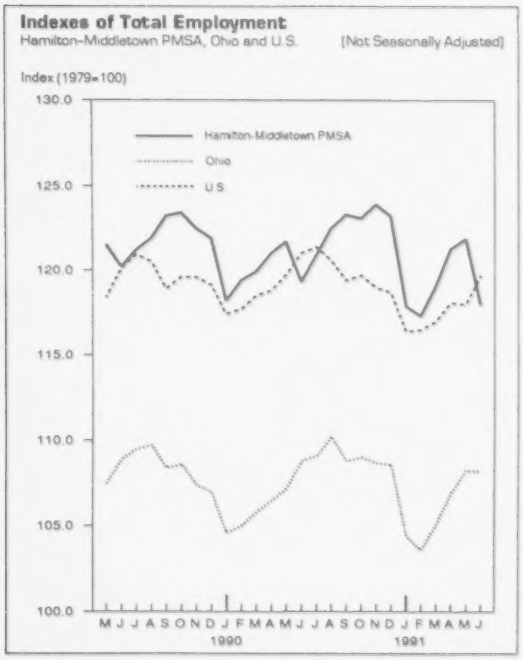
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

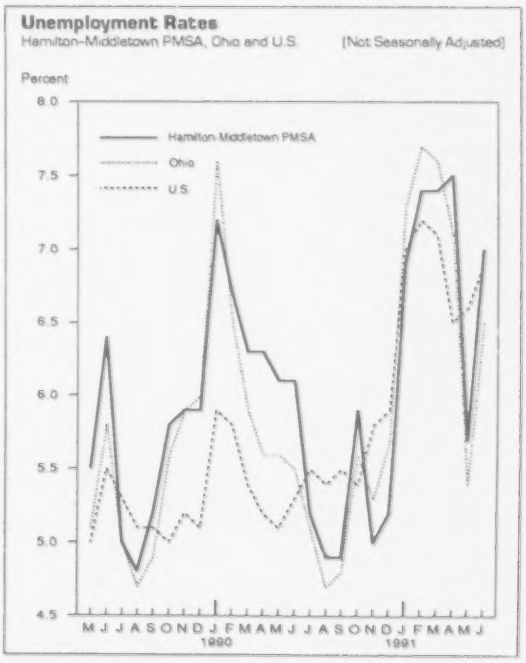
Hamilton-Middletown
Primary Metropolitan Statistical Area



Nonfarm wage and salary employment in the Hamilton-Middletown metropolitan area totaled 93,000 in July 1991, down 1,200 from June. Seasonal layoffs of nonteaching personnel in local schools and less business in retail trade lowered employment in service-producing industries 1,000. Employment in goods-producing industries declined 200 over the month to 26,100 due to decreases in construction and mining. Manufacturing production workers averaged $15.03 per hour, down fractionally from June. Their average workweek of 46.5 hours was 1.0 hour shorter.

Nonagricultural payroll employment dropped 1,100 between July 1990 and July 1991. Reductions in manufacturing and modest declines in construction and mining lowered employment in the goods-producing sector 1,400. Noteworthy losses occurred in primary metal industries, fabricated metal products, paper and allied products, and industrial machinery and equipment. Growth in service-producing industries created 300 jobs. Expansion in services, particularly health services, and in local and state government outweighed nominal losses in retail trade and finance, insurance, and real estate.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	130.3	132.8	130.5	-2.5	-.2
Employment	121.2	125.2	122.5	-4.0	-1.4
Unemployment	9.1	7.6	7.9	1.5	1.2
Unemployment Rate	7.0	5.7	6.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	93.0	94.2	94.1	-1.2	-1.1
Goods–Producing Industries	26.1	26.3	27.5	-.2	-1.4
Construction and Mining	5.9	6.1	6.2	-.2	-.3
Manufacturing	20.2	20.2	21.3	.0	-1.1
Durable Goods	13.9	14.0	14.9	-.1	-1.0
Primary Metal Industries	6.2	6.2	6.4	-.1	-.2
Fabricated Metal Products	2.3	2.3	2.5	.0	-.2
Industrial Machinery and Equipment	2.3	2.3	2.4	.0	-.1
Nondurable Goods	6.3	6.2	6.4	.0	-.1
Paper and Allied Products	4.4	4.4	4.6	.0	-.2
Paper Mills	3.2	3.2	3.4	.0	-.2
Service–Producing Industries	66.9	67.9	66.6	-1.0	.3
Transportation and Public Utilities	3.3	3.4	3.4	.0	.0
Wholesale Trade	6.0	5.9	6.0	.0	.0
Wholesale Trade–Durable Goods	4.1	4.0	4.1	.1	.0
Retail Trade	17.6	17.8	17.8	-.3	-.2
Food Stores	3.5	3.4	3.5	.0	.0
Finance, Insurance, and Real Estate	4.5	4.5	4.6	.0	-.1
Services	20.6	20.6	20.2	.0	.4
Health Services	9.1	9.1	8.7	.1	.5
Government	14.9	15.7	14.7	-.7	.3
State Government (Includes Education)	4.1	3.9	3.9	.2	.1
Local Government	10.2	11.1	10.0	-.9	.2
Local Government Education	6.3	7.3	6.3	-1.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

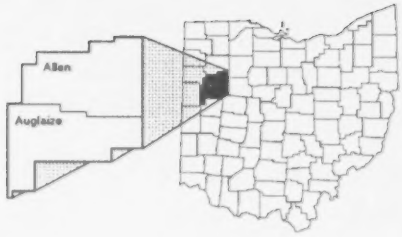
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$698.90	$716.30	$634.30	46.5	47.5	45.6	$15.03	$15.08	$13.91
Durable Goods	736.46	753.59	655.96	47.3	48.4	46.0	15.57	15.57	14.26
Primary Metal Industries	886.60	893.14	771.75	52.0	52.2	49.0	17.05	17.11	15.75
Fabricated Metal Products	509.12	540.02	486.01	39.9	41.7	40.1	12.76	12.95	12.12
Industrial Machinery and Equipment	678.73	697.62	624.00	45.4	46.2	48.0	14.95	15.10	13.00
Nondurable Goods	602.98	619.69	581.55	44.5	45.2	44.7	13.55	13.71	13.01
Paper and Allied Products	640.33	651.46	605.36	46.2	46.8	46.0	13.86	13.92	13.16
Paper Mills	643.03	654.70	605.21	45.8	46.4	45.3	14.04	14.11	13.36
Wholesale Trade	450.15	440.98	429.86	40.3	39.8	40.9	11.17	11.08	10.51
Retail Trade[f]	185.36	182.92	180.00	28.0	27.8	28.8	6.62	6.58	6.25

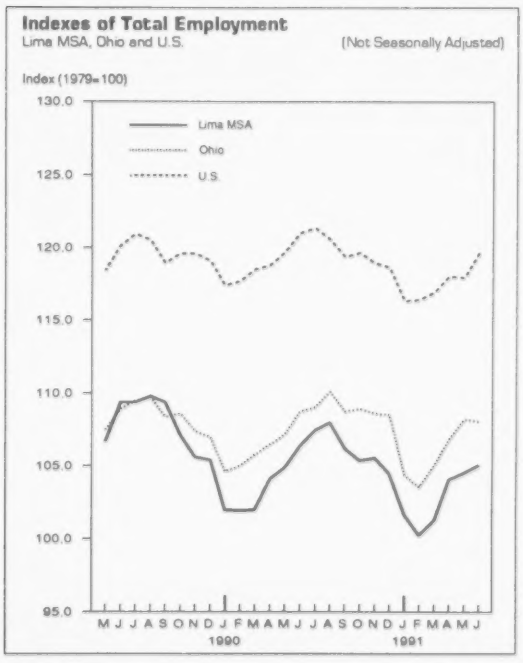
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

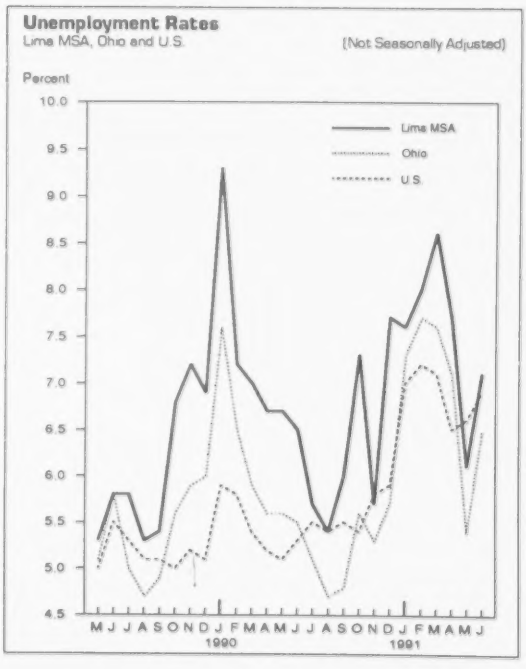
Lima Metropolitan Statistical Area



Nonagricultural wage and salary employment in the Lima metropolitan area declined 200 from the June level to 73,500 in July 1991. Seasonal layoffs of nonteaching personnel in local schools lowered employment in service-producing industries 400. More business in construction and mining and improvements in manufacturing, especially transportation equipment, raised employment in the goods-producing sector 200 to 25,500. Factory production workers averaged $13.80 per hour, down 11 cents from June. Their average workweek was 0.6 hours shorter at 42.5 hours.

Nonfarm payroll employment decreased 200 between July 1990 and July 1991. Goods-producing industries lost 1,100 jobs over the year due to scattered declines among producers of durable goods, particularly industrial machinery and equipment and transportation equipment. Growth in services raised employment in service-producing industries 900.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	78.2	77.0	78.7	1.2	-.4
Employment	72.6	72.3	73.5	.4	-.9
Unemployment	5.6	4.7	5.1	.9	.5
Unemployment Rate	7.1	6.1	6.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	73.5	73.7	73.7	-.2	-.2
Goods-Producing Industries	25.5	25.2	26.6	.2	-1.1
Construction and Mining	3.5	3.3	3.5	.2	-.1
Manufacturing	22.0	22.0	23.0	.1	-1.0
Durable Goods	15.2	15.2	16.4	.0	-1.2
Fabricated Metal Products	2.6	2.5	2.5	.0	.1
Industrial Machinery and Equipment	3.9	3.9	4.4	.0	-.5
Transportation Equipment	6.3	6.2	6.7	.1	-.4
Motor Vehicles and Equipment	3.5	3.4	3.5	.1	.0
Nondurable Goods	6.8	6.8	6.7	.0	.1
Food and Kindred Products	2.0	2.0	1.9	.0	.2
Rubber and Miscellaneous Plastics Products	2.0	2.1	2.1	.0	.0
Service-Producing Industries	48.0	48.4	47.1	-.4	.9
Transportation and Public Utilities	3.2	3.2	3.2	.1	.1
Wholesale Trade	3.4	3.4	3.5	.0	-.1
Retail Trade	13.7	13.8	13.8	-.1	-.1
General Merchandise Stores	2.1	2.1	2.1	.0	.0
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	16.3	16.2	15.3	.1	1.0
Health Services	6.9	6.8	6.5	.1	.4
Hospitals	3.3	3.2	3.2	.0	.1
Government	9.3	9.8	9.3	-.5	.0
Local Government	6.9	7.4	6.9	-.4	.1
Local Government Education	3.6	4.1	3.6	-.4	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

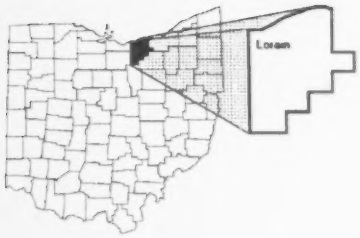
Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$586.50	$599.52	$551.69	42.5	43.1	41.7	$13.80	$13.91	$13.23
Durable Goods	589.26	596.07	545.65	42.7	43.1	41.4	13.80	13.83	13.18
Fabricated Metal Products	382.22	406.51	352.88	41.5	43.2	40.1	9.21	9.41	8.80
Industrial Machinery and Equipment	497.71	483.52	449.86	40.3	39.6	39.6	12.35	12.21	11.36
Transportation Equipment	764.65	775.18	706.49	44.9	45.2	43.0	17.03	17.15	16.43
Motor Vehicles and Equipment	875.95	894.82	820.73	47.4	47.8	46.5	18.48	18.72	17.65
Nondurable Goods	581.82	605.44	568.71	42.1	43.0	42.6	13.82	14.08	13.35
Food and Kindred Products	410.48	401.04	383.26	43.3	42.8	41.3	9.48	9.37	9.28
Rubber and Miscellaneous Plastics Products	616.28	694.71	627.00	43.4	46.5	45.8	14.20	14.94	13.69
Wholesale Trade	380.03	375.17	366.11	38.7	38.4	37.9	9.82	9.77	9.66
Retail Trade[f]	195.74	196.34	191.88	30.3	30.3	30.7	6.46	6.48	6.25
General Merchandise Stores	188.06	185.65	172.70	28.8	28.3	27.9	6.53	6.56	6.19

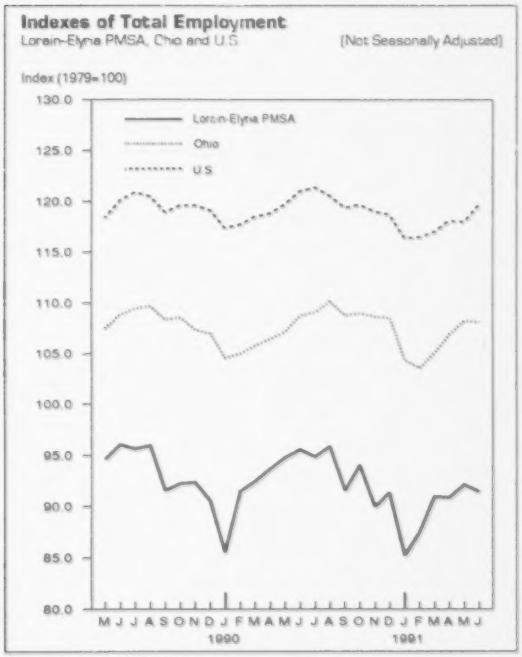
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

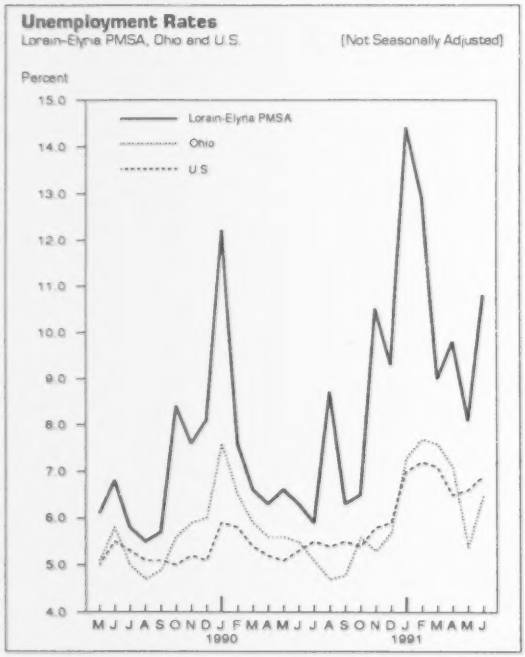
Lorain-Elyria
Primary Metropolitan Statistical Area



Nonfarm payroll employment in the Lorain-Elyria metropolitan area totaled 90,500 in July 1991, down 2,200 from June. Seasonal layoffs of nonteaching personnel in local schools and less business in services, retail trade, and transportation and public utilities lowered employment in service-producing industries 2,200. Employment in goods-producing industries was unchanged over the month at 30,700. Increases in construction and mining offset declines in manufacturing, especially primary metal industries. Factory production workers averaged $13.62 per hour, down fractionally from June. Their average workweek remained at 42.4 hours.

Nonagricultural wage and salary employment fell 3,600 between July 1990 and July 1991. Over-the-year cutbacks in durable-goods manufacturing, particularly transportation equipment, lowered employment in goods-producing industries 3,300. Moderate reductions were posted in primary metal industries and fabricated metal products. Employment in service-producing industries decreased 300 during the period. Declines in government and retail trade outweighed gains in services and transportation and public utilities.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	122.1	119.5	121.5	2.6	.7
Employment	109.0	109.9	113.9	-.9	-4.9
Unemployment	13.1	9.7	7.6	3.5	5.5
Unemployment Rate	10.8	8.1	6.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	90.5	92.7	94.1	-2.2	-3.6
Goods–Producing Industries	30.7	30.7	34.0	.0	-3.3
Construction and Mining	5.1	5.0	5.1	.1	.0
Manufacturing	25.6	25.7	28.9	-.1	-3.3
Durable Goods	21.0	21.1	24.3	-.1	-3.3
Primary Metal Industries	4.0	4.1	4.5	-.1	-.5
Fabricated Metal Products	3.7	3.7	4.1	.0	-.4
Transportation Equipment	5.8	5.8	8.2	.0	-2.4
Nondurable Goods	4.6	4.6	4.6	.0	.0
Service–Producing Industries	59.8	62.0	60.1	-2.2	-.3
Transportation and Public Utilities	3.4	3.5	3.2	-.1	.2
Wholesale Trade	2.6	2.6	2.6	.0	.0
Retail Trade	16.5	16.7	16.8	-.2	-.3
Finance, Insurance, and Real Estate	2.9	2.9	3.1	.0	-.1
Services	21.6	21.9	21.3	-.3	.3
Health Services	8.6	8.5	8.3	.1	.3
Hospitals	3.9	3.9	3.9	.0	.0
Government	12.8	14.4	13.2	-1.6	-.4
Local Government	10.4	12.1	10.7	-1.6	-.2
Local Government Education	6.1	7.5	6.1	-1.4	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

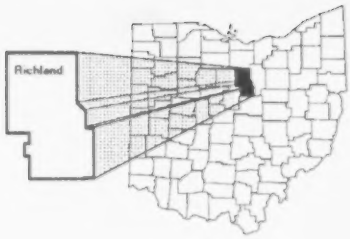
Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$577.49	$577.91	$566.32	42.4	42.4	42.2	$13.62	$13.63	$13.42
Durable Goods	611.89	611.75	596.52	43.0	42.9	42.7	14.23	14.26	13.97
Primary Metal Industries	619.06	619.04	629.41	41.8	42.4	44.2	14.81	14.60	14.24
Fabricated Metal Products	445.88	442.21	415.67	43.5	43.1	42.2	10.25	10.26	9.85
Transportation Equipment	780.45	780.45	721.18	43.0	43.0	42.8	18.15	18.15	16.85
Nondurable Goods	408.91	404.94	393.57	39.7	39.7	39.2	10.30	10.20	10.04
Wholesale Trade	376.27	377.34	366.53	38.2	38.0	38.3	9.85	9.93	9.57
Retail Trade[f]	172.90	175.96	167.75	26.6	26.5	27.1	6.50	6.64	6.19

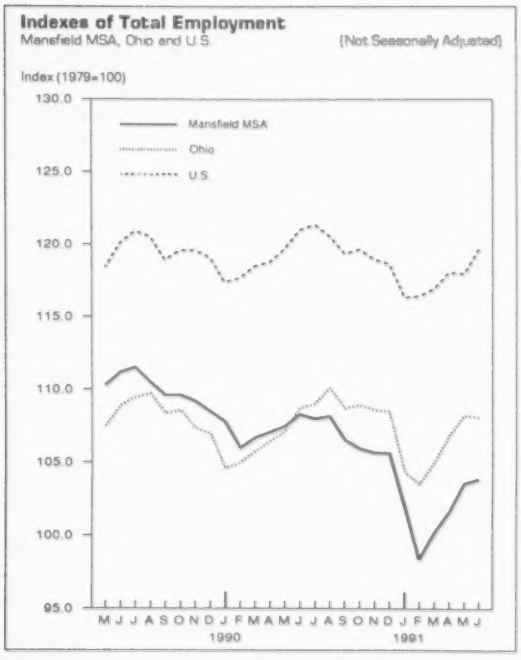
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

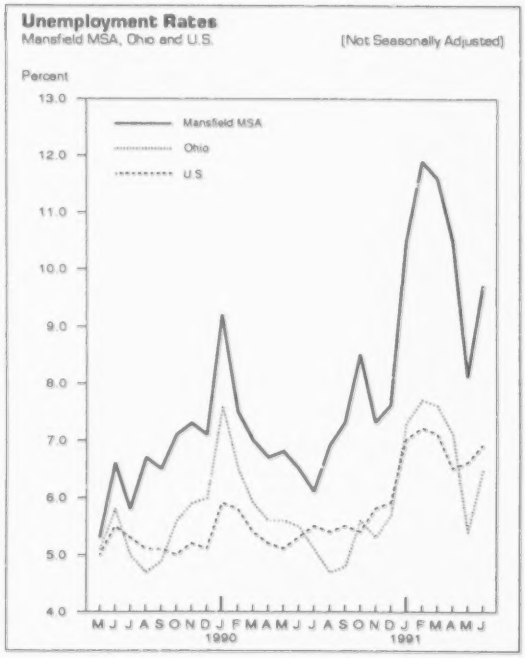
Mansfield Metropolitan Statistical Area



Nonagricultural payroll employment in the Mansfield metropolitan area totaled 58,200 in July 1991, down 400 from June. Seasonal layoffs of nonteaching personnel in local schools lowered employment in service-producing industries 300. The workforce in goods-producing industries declined 100 over the month to 19,200. Scattered losses in manufacturing more than offset nominal growth in construction and mining. Factory production workers averaged $14.07 per hour, down 33 cents from June. Their average workweek of 40.1 hours was 1.6 hours shorter.

Nonfarm wage and salary employment fell 1,600 between July 1990 and July 1991. Over-the-year cutbacks among manufacturers of durable goods, particularly electronic and other electric equipment, lowered employment in the goods-producing sector 1,400. Employment in service- producing industries declined 200 during the period. Scattered decreases, especially in retail trade, outweighed modest expansion in services and local government.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	64.8	63.4	65.3	1.3	-.5
Employment	58.5	58.3	61.0	.2	-2.5
Unemployment	6.3	5.1	4.2	1.1	2.0
Unemployment Rate	9.7	8.1	6.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	58.2	58.6	59.8	-.4	-1.6
Goods-Producing Industries	19.2	19.4	20.7	-.1	-1.4
Construction and Mining	2.3	2.2	2.4	.1	-.1
Manufacturing	16.9	17.1	18.3	-.2	-1.4
Durable Goods	14.8	15.1	16.3	-.3	-1.4
Fabricated Metal Products	5.3	5.3	5.4	.0	-.1
Electronic and Other Electric Equipment	2.5	2.4	3.1	.1	-.6
Nondurable Goods	2.1	2.1	2.0	.0	.1
Service-Producing Industries	39.0	39.2	39.1	-.3	-.2
Transportation and Public Utilities	3.0	2.9	3.1	.1	-.1
Wholesale Trade	2.3	2.2	2.4	.0	-.1
Retail Trade	10.9	11.0	11.3	-.1	-.4
Finance, Insurance, and Real Estate	2.2	2.3	2.3	.0	-.1
Services	13.0	13.0	12.7	.0	.3
Health Services	4.5	4.5	4.5	.0	.0
Government	7.6	7.9	7.4	-.3	.2
Local Government	5.8	6.0	5.5	-.2	.3
Local Government Education	3.8	4.1	3.6	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

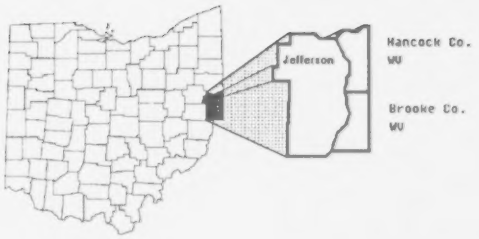
Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$564.21	$600.48	$560.67	40.1	41.7	41.5	$14.07	$14.40	$13.51
Durable Goods	578.50	623.48	579.27	39.3	41.4	41.2	14.72	15.06	14.06
Fabricated Metal Products	706.25	818.35	696.38	38.3	42.6	40.3	18.44	19.21	17.28
Electronic and Other Electric Equipment	383.25	395.52	439.50	37.5	38.4	40.1	10.22	10.30	10.96
Nondurable Goods	438.02	415.35	404.93	46.4	45.0	44.4	9.44	9.23	9.12
Wholesale Trade	335.24	342.50	338.12	40.1	40.2	40.3	8.36	8.52	8.39
Retail Trade[f]	181.72	180.70	169.10	28.0	27.8	27.1	6.49	6.50	6.24

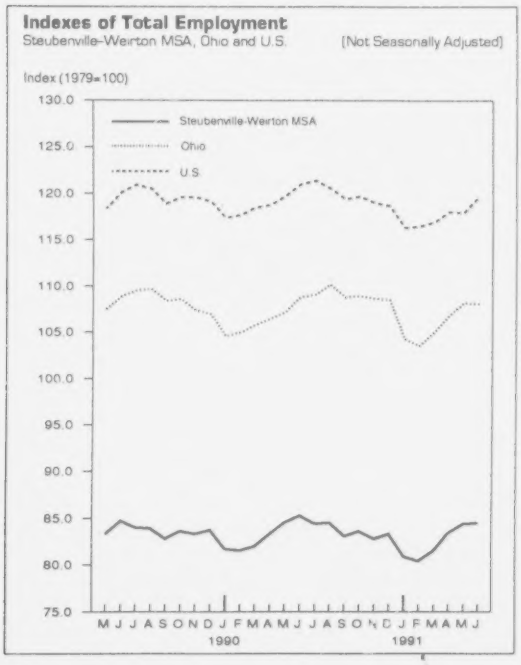
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

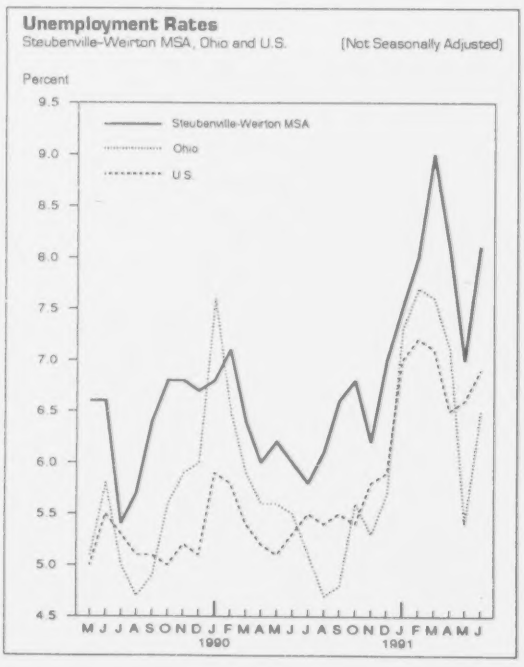
Steubenville-Weirton Metropolitan Statistical Area



In the Steubenville-Weirton metropolitan area, nonagricultural payroll employment fell 900 below the June level to 52,900 in July 1991. Seasonal layoffs of nonteaching personnel in local schools and less business in services lowered employment in service-producing industries 900. The number of jobs in goods-producing industries was unchanged over the month at 20,800. Nominal improvements in construction offset declines in durable-goods manufacturing. Factory production workers averaged $12.52 per hour, on par with June. Their average workweek of 43.8 hours was fractionally longer.

Nonfarm wage and salary employment advanced 700 between July 1990 and July 1991. Expansion in services and in local government raised employment in service-producing industries 700. Employment in goods-producing industries remained at the year-ago level. Growth in construction counterbalanced reductions in manufacturing, particularly primary metal industries.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1991[b]	May 1991[c]	Jun. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	58.2	57.4	57.4	.8	.8
Employment	53.5	53.4	54.0	.1	-.5
Unemployment	4.7	4.0	3.4	.8	1.3
Unemployment Rate	8.1	7.0	6.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Total	52.9	53.8	52.2	-.9	.7
Goods-Producing Industries	20.8	20.8	20.8	.0	.0
Mining	.8	.8	.8	.0	.0
Construction	2.9	2.8	2.2	.1	.7
Manufacturing	17.1	17.2	17.8	-.1	-.7
Durable Goods	15.5	15.6	16.1	-.1	-.6
Primary Metal Industries	12.2	12.4	12.8	-.1	-.6
Nondurable Goods	1.6	1.7	1.7	.0	.0
Service-Producing Industries	32.1	33.0	31.4	-.9	.7
Transportation and Public Utilities	3.1	3.0	3.1	.1	.0
Wholesale Trade	1.2	1.2	1.3	.0	.0
Retail Trade	9.0	9.0	8.9	.0	.1
General Merchandise Stores	1.3	1.2	1.4	.1	-.1
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	11.0	11.4	10.6	-.4	.4
Health Services	5.2	5.2	5.0	.0	.2
Hospitals	2.5	2.5	2.5	.0	.1
Government	6.1	6.6	5.9	-.6	.2
Local Government	5.1	5.7	4.9	-.6	.2
Local Government Education	3.0	3.6	2.9	-.6	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]
Manufacturing	$548.38	$547.12	$515.06	43.8	43.7	44.1	$12.52	$12.52	$11.68
Durable Goods	564.60	562.89	542.55	43.7	43.5	45.1	12.92	12.94	12.03
Primary Metal Industries	603.77	603.77	573.95	44.2	44.2	46.1	13.66	13.66	12.45
Nondurable Goods	385.05	385.56	203.39	45.3	45.9	32.7	8.50	8.40	6.22
Wholesale Trade	323.11	314.20	332.59	39.5	38.6	39.5	8.18	8.14	8.42
Retail Trade[i]	177.16	174.51	169.12	28.3	27.7	28.0	6.26	6.30	6.04

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	July 1991	June 1991	July 1990
New Applicants	39,738	32,663	34,100
Applicants Active This Program Year	211,099	585,529	226,211
Counseling Interviews	1,057	983	721
Tests Administered	1,192	983	2,202
General Aptitude Tests	761	672	408
Proficiency Tests	264	177	321
Specific Aptitude Tests	0	0	0
Referrals to Jobs	29,188	23,073	25,314
Placements	7,432	6,589	7,342
Job Openings Received	INA	INA	INA
Job Openings Unfilled	16,380	32,090	17,590

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	July 1991	June 1991	July 1990
Initial Claims	72,749	49,716	66,696
Continued Claims	543,300	452,196	375,903
First Payments	25,620	21,750	20,720
Last Payments	11,499	10,430	6,573
Average Weekly Claimants	113,478	113,903	82,996
Average Weekly Benefit Recipients	95,818	102,180	66,915
Weeks Compensated	429,056	417,125	275,970
Benefits Paid	$72,386,295	$71,211,985	$44,830,414
Average Weekly Payment	$172.80	$174.88	$166.25
Continued Claims for Survey Week	118,536	113,413	89,540
Insured Unemployment Rate	2.4	2.4	1.8
Net Contributions	$43,989,939	$4,927,127	$34,060,195
Active Employer Accounts	208,437	209,094	207,019

Ohio Labor Market Information

Labor Market Review

1990 Annual Averages

Summary. Statewide nonagricultural wage and salary employment increased 78,400 in 1990, to 4.896 million. The rate of increase was 1.6 percent, compared to 2.5 percent in 1989. The 1990 growth rate was the lowest since 1983, although improvements in all service-producing industries and in construction and nondurable-goods manufacturing more than offset employment reductions in durable-goods manufacturing and mining.

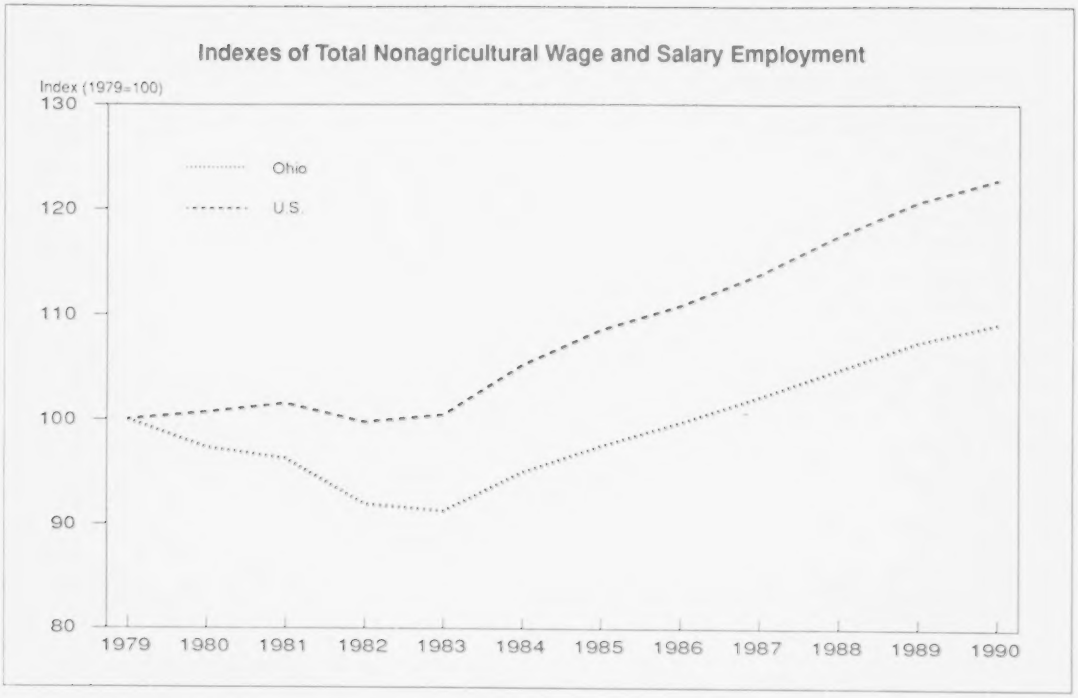
Services led all divisions in the creation of new jobs in 1990— 48,600 or 62.0 percent of the total improvement. Increased hiring was reported in business services, health services, social services, and engineering and management services. Federai, state and local government employment expanded 17,800 jobs during the year. Most of the increase occurred in public schools and colleges. Noteworthy improvements were also reported in retail trade, up 10,600 jobs over the year, with increases in eating and drinking places, miscellaneous retail stores, and food stores. More than 4,900 workers were added to construction payrolls in Ohio in 1990. Special trade contractors contributed most to the change. (See table, below.)

Nonagricultural Wage and Salary Employment. Nonagricultural employment averaged 4.896 million in 1990, up 78,400 jobs or 1.6 percent from 1989. Improvements in services, especially

Ohio Nonfarm Employment Changes, 1989-1990

Industry	1990 Employment (in thousands)	Employment Change 1989-1990	Percent Change 1989-1990
Total	**4,895.8**	**78.4**	**1.6**
Goods-Producing Industries	**1,327.8**	**-6.3**	**- .5**
Mining	17.6	-.3	-1.9
Construction	198.5	4.9	2.5
Manufacturing	1,111.7	-10.8	-1.0
Durable Goods	743.3	-11.4	-1.5
Nondurable Goods	368.5	.5	.1
Service-Producing Industries	**3,568.0**	**84.6**	**2.4**
Transportation and Public Utilities	219.7	3.3	1.5
Wholesale Trade	262.8	1.8	.7
Retail Trade	910.8	10.6	1.2
Finance, Insurance, and Real Estate	254.9	2.5	1.0
Services	1,195.6	48.6	4.2
Government	724.2	17.8	2.5

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator



business and health services, in state and local schools and colleges, and in retail trade accounted for most of the gain. Employment in goods-producing industries declined 6,300 over the year to 1.328 million. The loss occurred among manufacturers of durable goods. Industries hardest hit by the downturn were fabricated metal products, -4,600; industrial machinery and equipment, -2,500; and primary metal industries, -2,300.

Table of Contents

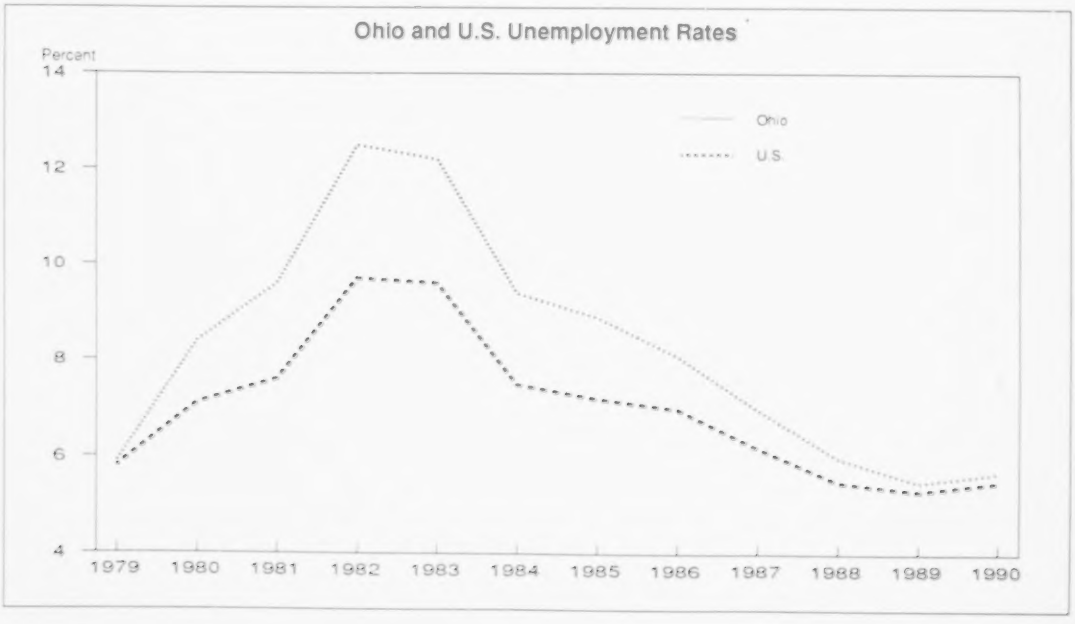
Ohio Summary 1
The Ohio Labor Force, 1990 5
Seasonally Adjusted Nonagricultural Wage & Salary Employment
Data & Graphs, 1981-1990 6
Nonagricultural Wage and Salary Employment Graph 20
Nonagricultural Wage and Salary Employment Since 1939 21
Nonagricultural Wage and Salary Employment and Hours and Earnings Tables 24
Metropolitan Area Statistics
Akron PMSA 38
Canton MSA 48
Cincinnati PMSA 56
Cleveland PMSA 66
Columbus MSA 78
Dayton-Springfield MSA 88
Toledo MSA 98
Youngstown-Warren MSA 108
Hamilton-Middletown PMSA 116
Lima MSA 124
Lorain-Elyria PMSA 132
Mansfield MSA 140
Steubenville-Weirton MSA 148
Technical Notes 156

Total Employment. According to the monthly household survey, total employment in Ohio advanced 8,000 over the year to 5.126 million. The rate of increase was 0.2 percent. U.S. employment advanced at a rate of 0.5 percent in 1990.

Unemployment. Unemployment in Ohio averaged 307,000 in 1990, up 7,000 from 1989. Although it is at a relatively low level, this is the first increase in the annual average unemployment figure since 1982. The unemployment rate edged upward from 5.5 percent in 1989 to 5.7 percent in 1990. The U.S. rate rose from 5.3 percent to 5.5 percent during the same period.

Civilian Labor Force Estimates for Ohio and the U.S.
(Employed and Unemployed In Thousands)

Ohio				Year	United States			
Civilian Labor Force					Civilian Labor Force			
	Employment					Employment		
		Unemployment					Unemployment	
		Total	Rate				Total	Rate
5,059	4,760	299	5.9	1979	104,962	98,824	6,137	5.8
5,089	4,663	426	8.4	1980	106,940	99,303	7,637	7.1
5,100	4,608	492	9.6	1981	108,670	100,397	8,273	7.6
5,114	4,474	640	12.5	1982	110,204	99,526	10,678	9.7
5,099	4,478	621	12.2	1983	111,550	100,834	10,717	9.6
5,089	4,609	480	9.4	1984	113,544	105,005	8,539	7.5
5,135	4,680	455	8.9	1985	115,461	107,150	8,312	7.2
5,232	4,806	425	8.1	1986	117,834	109,597	8,237	7.0
5,253	4,886	367	7.0	1987	119,865	112,440	7,425	6.2
5,322	5,002	320	6.0	1988	121,669	114,968	6,701	5.5
5,419	5,118	300	5.5	1989	123,869	117,342	6,528	5.3
5,433	5,126	307	5.7	1990	124,787	117,914	6,874	5.5



Growth Industries. Seven of the top ten growth industries in Ohio in 1990 were in services. Employment in management and public relations services grew at a rate of 10.6 percent; computer and data processing services and transportation by air, 9.1 percent; engineering and architectural services, 7.6 percent; personnel supply services, 6.1 percent; services to buildings, 5.9 percent; and residential care services, 5.9 percent. Other noteworthy growth industries were nonstore retailers, amusements, including motion pictures, and gasoline service stations.

Employment Gains and Losses
Ohio and U.S., 1989-1990

Industry	1990 Ohio Employment (in thous.)	1989-1990 Percent Change	
		Ohio	U.S.
Most Rapidly Growing Industries			
Management and Public Relations Services	21.9	10.6	1.1
Computer and Data Processing Services	27.6	9.1	7.5
Transportation by Air	14.4	9.1	13.3
Engineering and Architectural Services	28.4	7.6	2.7
Personnel Supply Services	75.3	6.1	-1.4
Services to Buildings	33.9	5.9	-.3
Residential Care Services	23.4	5.9	11.1
Nonstore Retailers	22.6	5.6	-5.5
Amusements, Including Motion Pictures	61.3	5.0	5.2
Gasoline Service Stations	35.6	5.0	.3
Declining Industries			
Variety Stores	10.2	-17.1	-4.8
Nonferrous Rolling and Drawing Mills	16.0	-7.0	-2.1
Construction and Related Machinery	13.3	-5.7	.9
Coal Mining	6.9	-5.5	6.0
Railroad Transportation	12.2	-5.4	-3.1
Measuring and Controlling Devices	15.5	-4.9	-2.8
Metal Forgings and Stampings	37.6	-4.8	-4.2
Refrigeration and Service Machinery	15.7	-4.8	-5.3
Iron and Steel Foundries	19.7	-3.9	-3.3
Apparel and Other Textile Products	14.8	-3.9	-4.3
Total, All Industries	4,895.8	1.6	1.8
Goods-Producing Industries	1,327.8	-.5	-1.3
Service-Producing Industries	3,568.0	2.4	2.7

Declining Industries. Employment in variety stores dropped 17.1 percent during 1990. Most other Ohio industries reporting substantial employment declines in 1990 were in the durable-goods manufacturing sector. Nonferrous rolling and drawing mills and construction and related machinery recorded the largest percentage declines. Important reductions were reported in coal mining, railroad transportation, measuring and controlling devices, metal forgings and stampings, refrigeration and service machinery, iron and steel foundries, and apparel and other textile products.

Conclusion. In 1988, employment in wholesale/retail trade surpassed employment in manufacturing for the first time. In 1990, employment in services eclipsed both manufacturing and trade, now accounting for 24.4 percent of nonagricultural wage and salary employment in Ohio. (See table, page 22.) Mild recessionary signs are evident in the nonagricultural wage and salary data for 1990. Employment in durable-goods manufacturing dropped significantly over the year, while nondurable goods employment rose just slightly above its 1989 level. Construction employment advanced at a rate of 2.5 percent, well below the 4.3 percent rate of increase for 1989. Expansion in services, government, and retail trade, however, more than offset these reductions.

The Ohio Labor Force, 1990

Each month, the U.S Bureau of the Census conducts a national household survey, the Current Population Survey (CPS), which the U.S. Bureau of Labor Statistics uses to measure the nation's employment and unemployment. Statewide labor force estimates for Ohio and ten other large states are derived directly from the CPS.

According to CPS data (see table below), the Ohio civilian labor force averaged 5,433,000 in 1990, comprising 5,126,000 employed and 307,000 unemployed. The unemployment rate was 5.7 percent, up from 5.5 percent in 1989.

For men, the unemployment rate was 5.9 percent, compared to 5.3 percent for women. Contrary to the norm in earlier years, men have had higher unemployment rates than women since 1980, when Ohio entered an extended period of economic recession. Industries with predominantly male work forces—mining, construction, manufacturing, and transportation and public utilities—were hard hit, with only construction returning to pre-1980 employment levels. On the other hand, the two industries with the highest proportion of female employees—services and finance, insurance, and real estate—added workers even during the recessions of the early 1980's. Women comprised 45.3 percent of the labor force and 42.7 percent of the unemployed in 1990.

Unemployment rates were highest for young workers (16-24)—12.3 percent for men and 10.6 percent for women. For prime-age workers (25-54), the rates were 4.7 percent for men and 4.3 percent for women. The rates among older workers (55 and over) were 4.8 percent for men and 2.5 percent for women.

In 1990, the nonwhite unemployment rate (13.0 percent) was more than double the rate for white workers (4.8 percent). The result was that while nonwhites made up 10.4 percent of the labor force, they constituted 23.8 percent of the unemployed. The nonwhite-to-white ratios for the two sexes differed very little in respect to unemployment rate. The rates were 14.0 percent for nonwhite men, 5.1 percent for white men, 12.2 percent for nonwhite women, and 4.4 percent for white women.

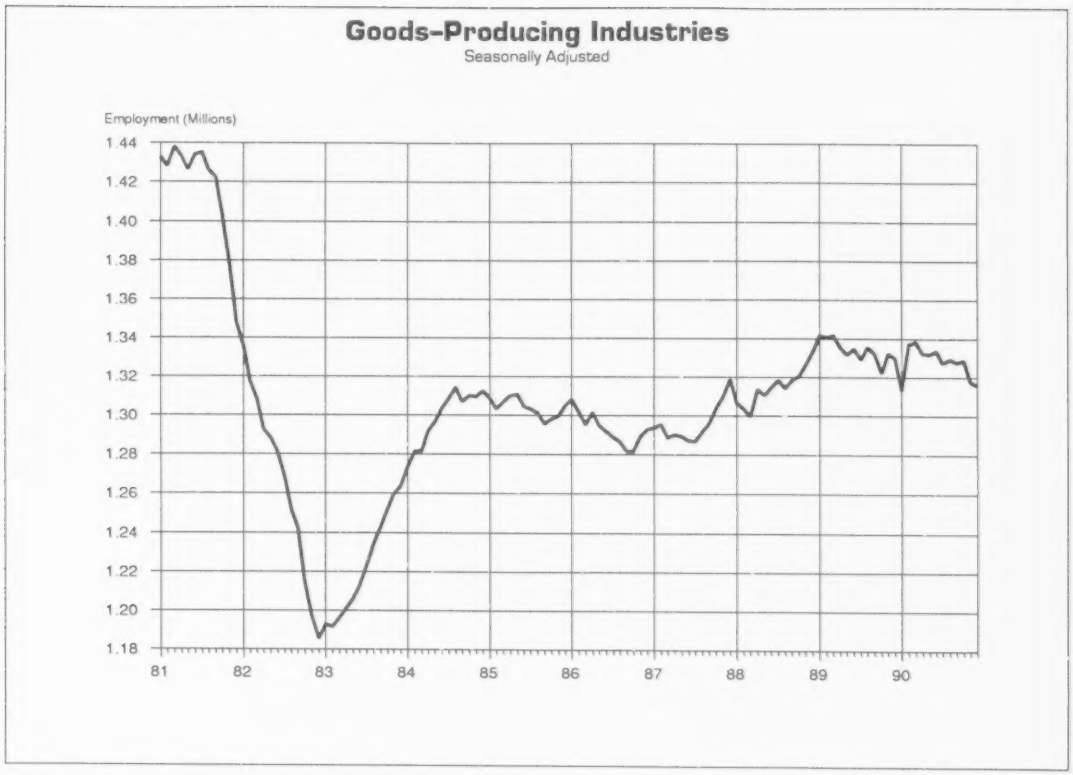
Employment Status of the Civilian Labor Force
By Sex, Race, and Age Group, Ohio, 1990

Characteristic	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
Total, age 16 and over	5,433,000	5,126,000	307,000	5.7
Men, total	2,970,000	2,794,000	177,000	5.9
Young Men (16-24)	514,000	451,000	63,000	12.3
Prime-Age Men (25-54)	2,058,000	1,963,000	96,000	4.7
Older Men (55 and over)	397,000	379,000	19,000	4.8
Women, total	2,463,000	2,333,000	131,000	5.3
Young Women (16-24)	470,000	421,000	50,000	10.6
Prime-Age Women (25-54)	1,712,000	1,638,000	74,000	4.3
Older Women (55 and over)	281,000	274,000	7,000	2.5
White, total	4,870,000	4,636,000	234,000	4.8
White Men	2,685,000	2,548,000	137,000	5.1
White Women	2,185,000	2,088,000	97,000	4.4
Nonwhite, total	563,000	490,000	73,000	13.0
Nonwhite Men	285,000	246,000	40,000	14.0
Nonwhite Women	278,000	245,000	34,000	12.2

Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

Total Nonagricultural

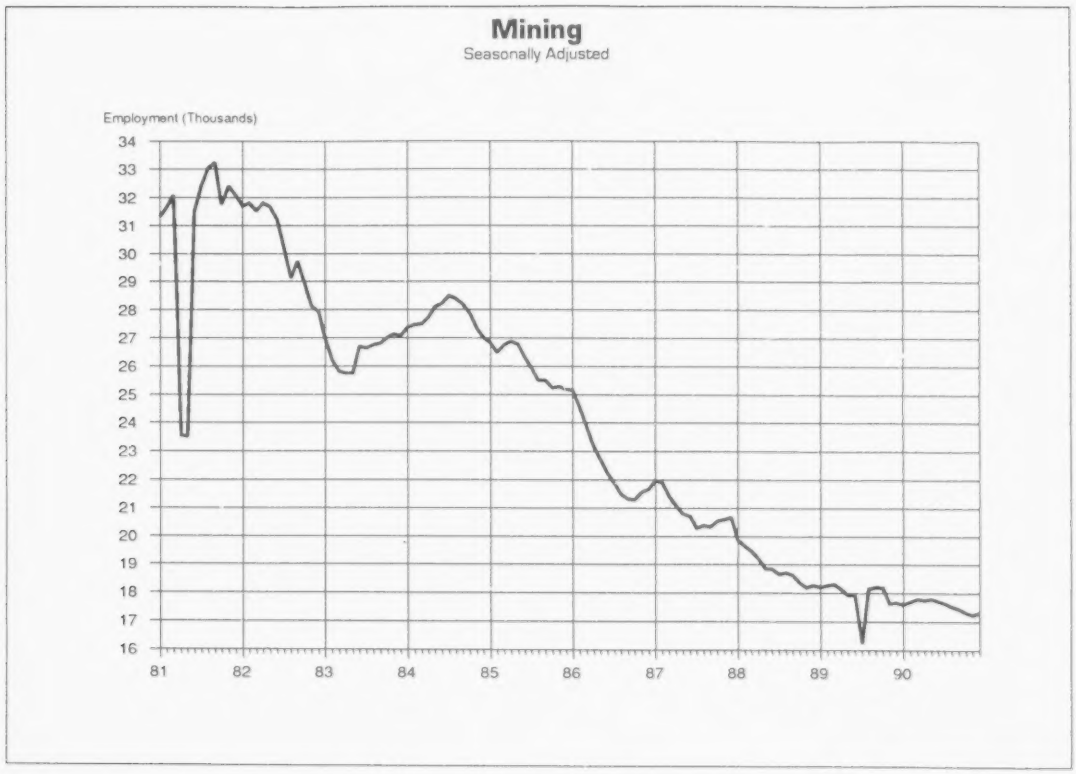
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	4,345	4,336	4,347	4,343	4,332	4,340	4,334	4,326	4,319	4,299	4,267	4,231
1982	4,216	4,194	4,182	4,160	4,155	4,149	4,127	4,106	4,091	4,059	4,036	4,023
1983	4,037	4,035	4,045	4,051	4,059	4,069	4,101	4,100	4,141	4,141	4,156	4,167
1984	4,185	4,205	4,204	4,222	4,236	4,254	4,271	4,292	4,291	4,306	4,319	4,326
1985	4,319	4,322	4,340	4,361	4,377	4,368	4,378	4,387	4,387	4,398	4,410	4,422
1986	4,440	4,438	4,435	4,460	4,462	4,459	4,470	4,479	4,481	4,495	4,510	4,522
1987	4,539	4,552	4,550	4,554	4,562	4,564	4,573	4,583	4,592	4,623	4,640	4,657
1988	4,640	4,644	4,651	4,686	4,690	4,705	4,711	4,708	4,724	4,731	4,745	4,765
1989	4,780	4,796	4,815	4,794	4,798	4,812	4,816	4,830	4,834	4,830	4,845	4,854
1990	4,840	4,873	4,888	4,878	4,895	4,903	4,903	4,910	4,911	4,921	4,913	4,914



Ohio Nonagricultural Wage and Salary Employment: 1981-1990
(in thousands)
Seasonally Adjusted

Goods-Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	1,433	1,428	1,438	1,433	1,427	1,434	1,435	1,426	1,423	1,404	1,380	1,348
1982	1,336	1,318	1,308	1,293	1,288	1,281	1,268	1,252	1,243	1,215	1,197	1,185
1983	1,193	1,192	1,196	1,201	1,206	1,213	1,223	1,234	1,243	1,252	1,260	1,264
1984	1,273	1,282	1,282	1,292	1,296	1,303	1,309	1,314	1,307	1,310	1,310	1,313
1985	1,309	1,303	1,307	1,310	1,311	1,305	1,303	1,301	1,296	1,298	1,300	1,305
1986	1,308	1,302	1,295	1,302	1,295	1,292	1,289	1,287	1,282	1,282	1,289	1,293
1987	1,294	1,295	1,289	1,290	1,290	1,287	1,287	1,292	1,296	1,304	1,310	1,319
1988	1,307	1,304	1,300	1,314	1,311	1,315	1,318	1,314	1,318	1,321	1,326	1,333
1989	1,342	1,341	1,342	1,335	1,332	1,335	1,329	1,336	1,332	1,322	1,332	1,330
1990	1,314	1,337	1,338	1,332	1,332	1,334	1,328	1,329	1,328	1,329	1,318	1,316



Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

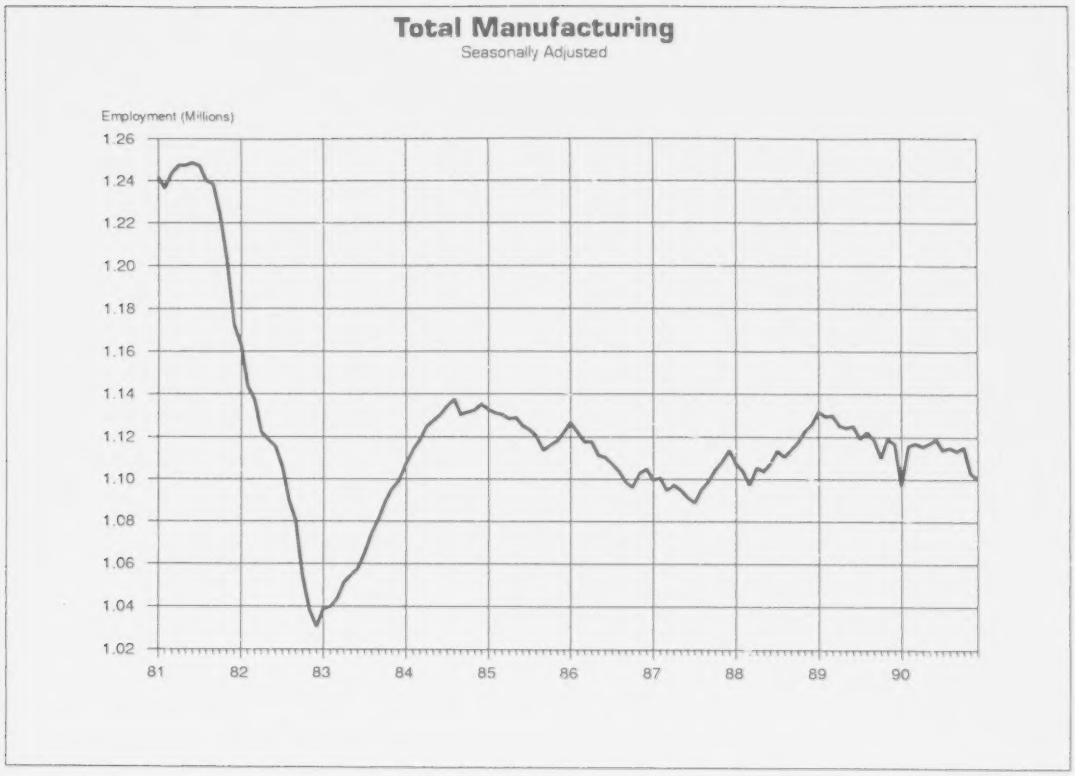
Mining

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	31	32	32	24	24	32	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	27	27	28	28	28	28	28	28	28	27	27
1985	27	26	27	27	27	26	26	26	26	25	25	25
1986	25	25	24	23	23	22	22	21	21	21	22	22
1987	22	22	21	21	21	21	20	20	20	21	21	21
1988	20	20	19	19	19	19	19	19	19	18	18	18
1989	18	18	18	18	18	18	16	18	18	18	18	18
1990	18	18	18	18	18	18	18	18	17	17	17	17

Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

Construction

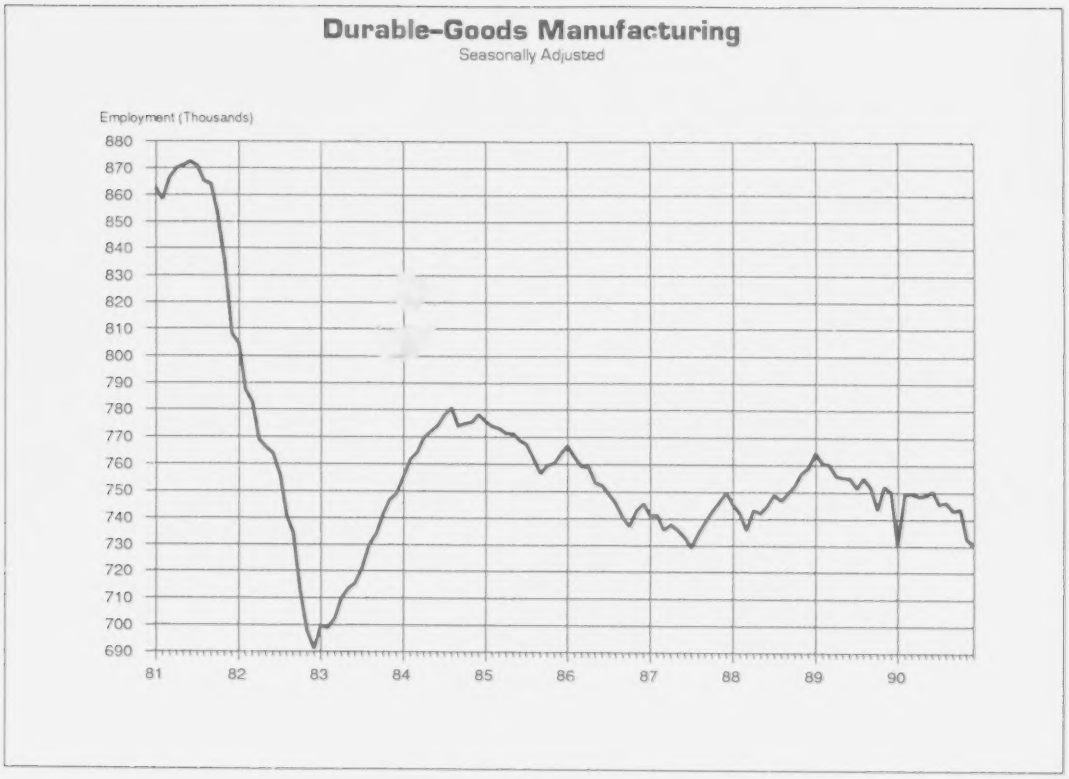
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	160	160	162	162	156	154	155	153	151	148	145	143
1982	141	142	139	139	138	135	133	133	132	131	130	127
1983	127	126	127	124	126	129	132	133	135	135	137	137
1984	139	140	135	139	141	145	146	148	148	151	150	150
1985	149	146	150	155	155	153	154	156	157	157	156	158
1986	157	155	154	161	161	159	160	162	162	164	165	166
1987	172	173	173	172	174	175	178	176	177	179	181	185
1988	180	181	183	189	188	188	186	185	186	185	186	189
1989	192	193	194	192	190	192	194	195	196	194	196	196
1990	199	204	204	199	198	197	196	197	197	197	198	199



Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

Total Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	1,242	1,237	1,244	1,247	1,247	1,249	1,247	1,240	1,238	1,225	1,202	1,173
1982	1,163	1,144	1,137	1,122	1,119	1,115	1,106	1,090	1,081	1,055	1,038	1,031
1983	1,039	1,040	1,044	1,051	1,055	1,058	1,065	1,074	1,082	1,090	1,095	1,099
1984	1,107	1,114	1,119	1,125	1,127	1,130	1,134	1,138	1,131	1,131	1,132	1,135
1985	1,133	1,131	1,130	1,128	1,129	1,125	1,124	1,120	1,114	1,116	1,118	1,122
1986	1,127	1,122	1,118	1,118	1,111	1,110	1,107	1,104	1,098	1,096	1,103	1,105
1987	1,100	1,100	1,095	1,097	1,095	1,091	1,089	1,095	1,099	1,104	1,108	1,114
1988	1,107	1,103	1,097	1,105	1,104	1,107	1,113	1,110	1,114	1,117	1,122	1,126
1989	1,132	1,129	1,130	1,125	1,124	1,125	1,119	1,122	1,119	1,110	1,119	1,117
1990	1,097	1,116	1,117	1,115	1,117	1,119	1,114	1,115	1,113	1,115	1,103	1,100



Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

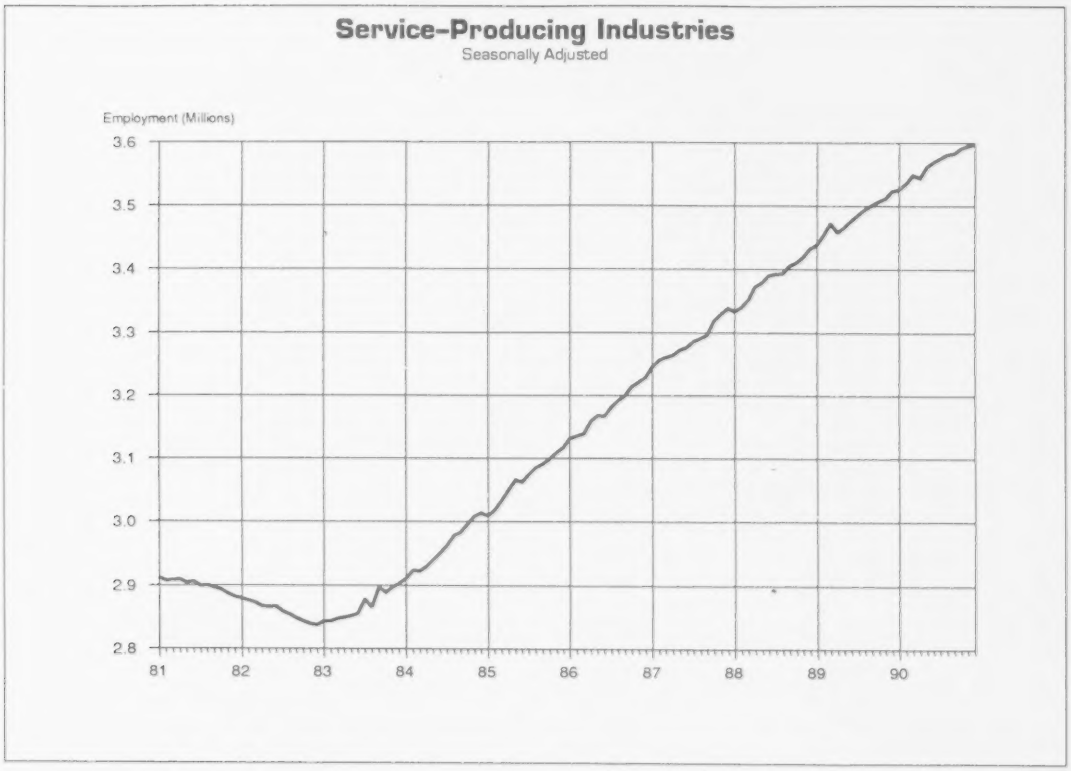
Durable-Goods Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	862	858	866	870	871	872	871	865	864	854	835	808
1982	805	787	783	769	766	764	756	741	734	713	698	691
1983	700	699	702	710	714	715	721	730	734	742	747	749
1984	755	762	764	770	772	774	778	781	774	775	776	778
1985	776	774	773	771	771	769	767	762	757	760	760	764
1986	767	763	759	759	753	752	749	746	740	737	743	746
1987	741	741	736	738	736	733	729	735	739	743	746	750
1988	745	742	736	743	742	745	749	747	749	752	757	759
1989	764	761	760	756	755	755	752	755	752	744	752	750
1990	730	749	750	748	749	750	746	746	743	744	733	730

Ohio Nonagricultural Wage and Salary Employment: 1981-1990
(in thousands)
Seasonally Adjusted

Nondurable-Goods Manufacturing

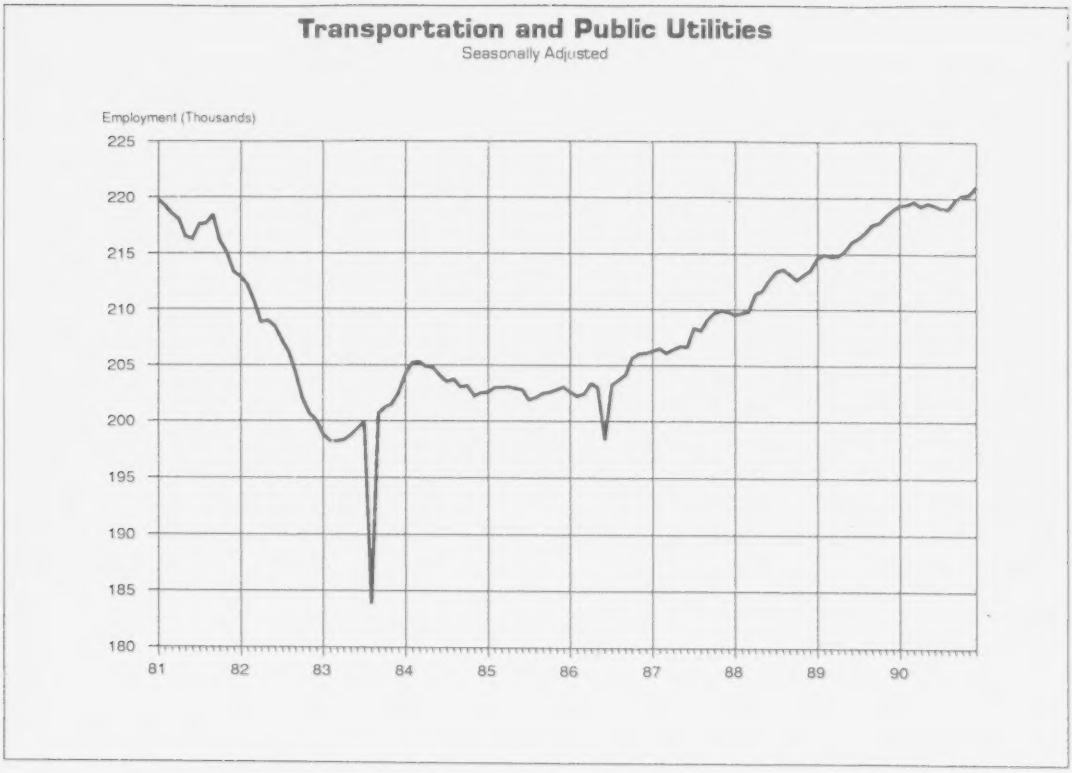
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	379	378	377	377	376	376	376	375	374	371	367	365
1982	358	356	354	353	353	352	350	349	346	341	341	340
1983	339	341	341	342	341	342	344	345	348	348	349	350
1984	352	352	354	355	355	356	356	357	356	357	357	357
1985	357	357	357	357	358	357	356	358	357	356	358	358
1986	360	360	358	359	358	358	358	358	358	359	360	359
1987	358	359	359	359	359	358	360	360	360	361	362	364
1988	362	361	361	362	362	362	364	364	364	365	366	367
1989	367	369	370	369	369	370	368	367	367	366	367	367
1990	366	366	367	367	368	369	368	369	370	371	370	370



Ohio Nonagricultural Wage and Salary Employment: 1981-1990
(in thousands)
Seasonally Adjusted

Service-Producing Industries

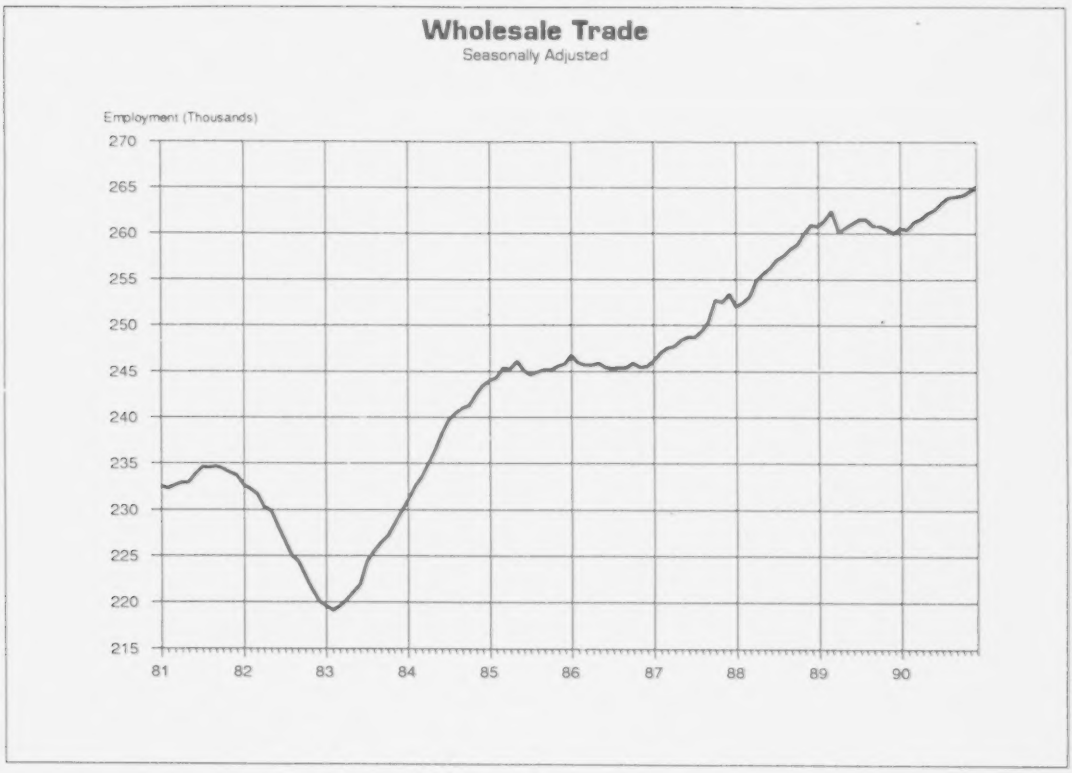
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	2,912	2,908	2,909	2,910	2,905	2,906	2,899	2,900	2,897	2,894	2,887	2,883
1982	2,880	2,876	2,873	2,867	2,866	2,868	2,859	2,855	2,849	2,844	2,839	2,838
1983	2,844	2,844	2,848	2,850	2,853	2,856	2,878	2,866	2,898	2,889	2,897	2,903
1984	2,911	2,924	2,923	2,930	2,940	2,951	2,963	2,978	2,984	2,996	3,009	3,014
1985	3,010	3,018	3,033	3,050	3,066	3,063	3,074	3,085	3,092	3,100	3,110	3,117
1986	3,131	3,136	3,139	3,159	3,167	3,167	3,181	3,192	3,200	3,213	3,221	3,229
1987	3,245	3,256	3,261	3,264	3,272	3,276	3,286	3,291	3,296	3,319	3,330	3,338
1988	3,333	3,340	3,351	3,372	3,379	3,390	3,392	3,393	3,406	3,410	3,419	3,432
1989	3,439	3,455	3,473	3,459	3,466	3,477	3,486	3,495	3,502	3,508	3,513	3,524
1990	3,526	3,536	3,550	3,545	3,563	3,570	3,576	3,581	3,583	3,592	3,595	3,598



Ohio Nonagricultural Wage and Salary Employment: 1981-1990
(in thousands)
Seasonally Adjusted

Transportation and Public Utilities

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	220	219	219	218	217	216	218	218	218	216	215	213
1982	213	212	211	209	209	208	207	206	204	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	203
1984	204	205	205	205	205	204	204	204	203	203	202	203
1985	203	203	203	203	203	203	202	202	202	203	203	203
1986	203	202	202	203	203	198	203	204	204	206	206	206
1987	206	207	206	206	207	207	208	208	209	210	210	210
1988	210	210	210	211	212	213	213	214	213	213	213	214
1989	215	215	215	215	215	216	216	217	218	218	218	219
1990	219	219	220	219	220	219	219	219	220	220	220	221



Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

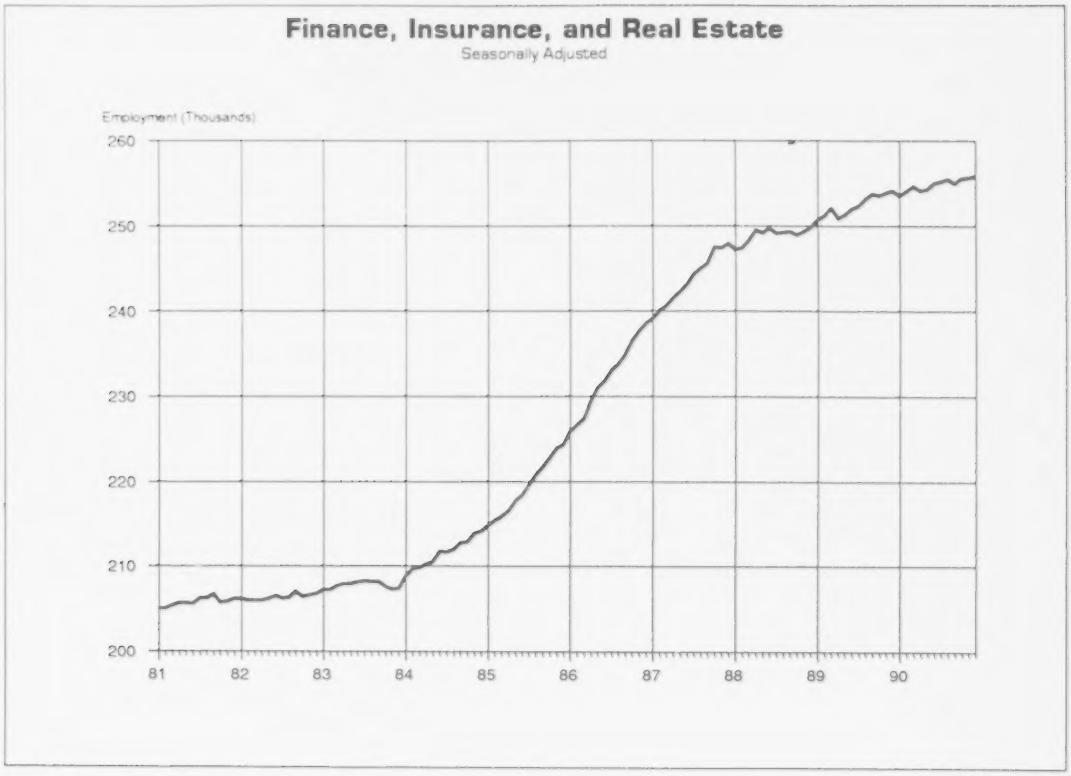
Wholesale Trade

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	233	232	233	233	233	234	235	235	235	234	234	234
1982	233	232	232	230	230	228	227	225	224	223	221	220
1983	220	219	220	220	221	222	224	226	226	227	228	230
1984	231	233	234	235	236	238	240	240	241	241	243	243
1985	244	244	245	245	246	245	245	245	245	245	246	246
1986	247	246	246	246	246	245	245	245	245	246	245	246
1987	246	247	248	248	248	249	249	249	250	253	253	253
1988	252	252	253	255	256	256	257	258	258	259	260	261
1989	261	261	262	260	261	261	262	262	261	261	261	260
1990	261	260	261	262	262	263	263	264	264	264	265	265

Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

Retail Trade

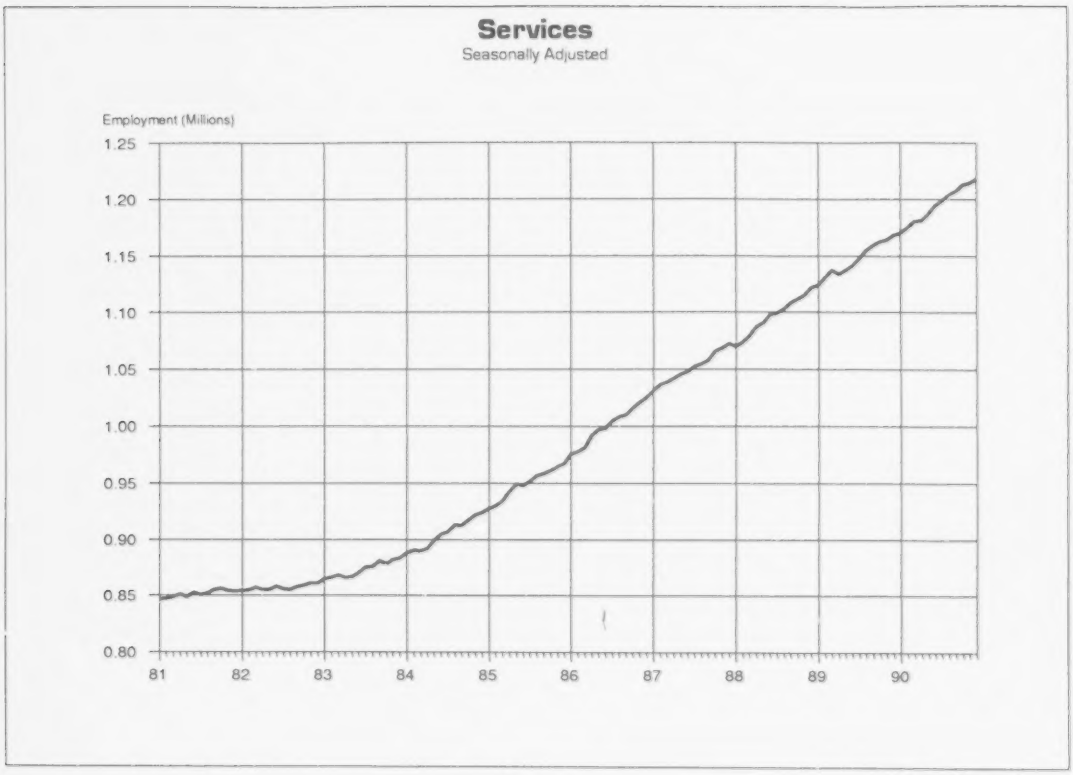
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	715	717	718	719	720	718	717	718	719	715	713	712
1982	710	709	707	705	705	706	703	700	699	696	693	695
1983	696	695	697	701	702	706	713	716	720	720	723	726
1984	729	732	733	735	737	742	748	752	755	760	767	769
1985	768	767	774	779	785	787	788	791	793	798	802	803
1986	804	807	808	811	812	815	817	821	824	827	829	830
1987	836	841	842	839	842	842	845	846	849	856	861	864
1988	865	867	870	878	879	881	879	881	881	880	881	885
1989	889	896	904	896	896	899	901	902	902	902	906	909
1990	909	910	913	907	908	911	911	913	912	912	913	912



Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

Finance, Insurance, and Real Estate

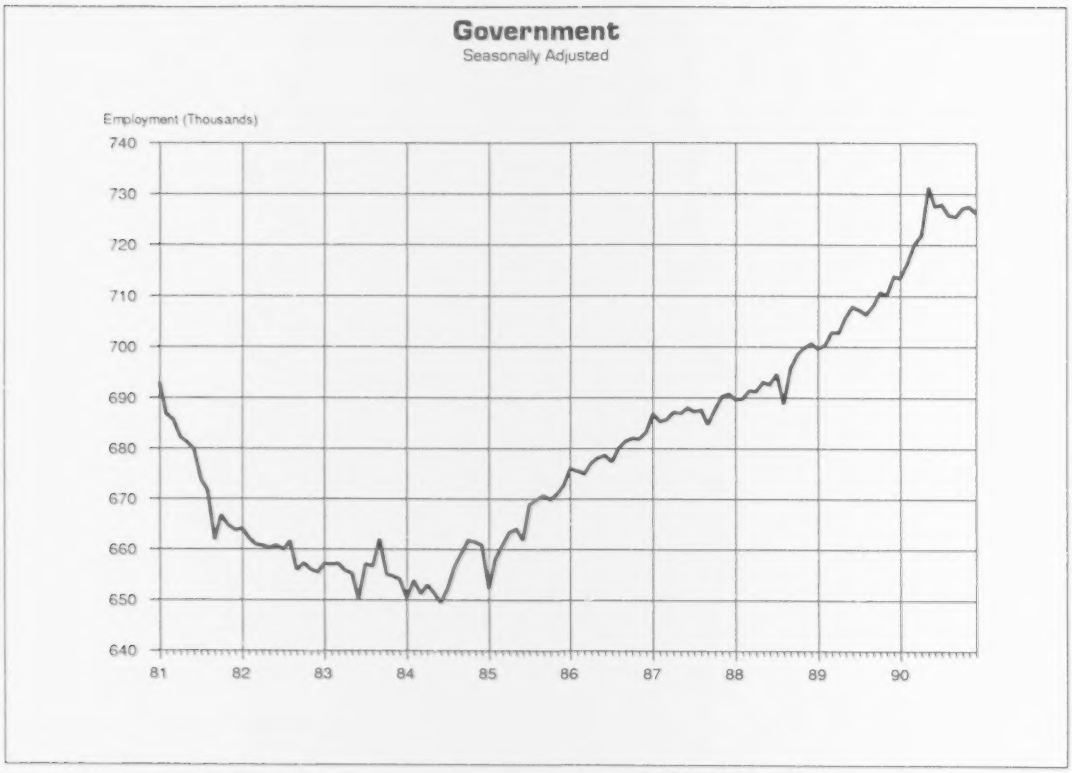
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	205	205	205	206	206	206	206	206	207	206	206	206
1982	206	206	206	206	206	207	206	206	207	206	207	207
1983	207	207	208	208	208	208	208	208	208	208	207	207
1984	209	210	210	210	211	212	212	212	213	213	214	214
1985	215	215	216	217	218	218	220	221	222	223	224	224
1986	226	227	227	229	231	232	233	234	235	237	238	239
1987	239	240	241	242	242	243	244	245	246	247	247	248
1988	247	247	248	249	249	250	249	249	249	249	249	250
1989	251	251	252	251	251	252	252	253	254	254	254	254
1990	254	254	255	254	254	255	255	255	255	256	256	256



Ohio Nonagricultural Wage and Salary Employment: 1981–1990
(in thousands)
Seasonally Adjusted

Services

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	847	847	849	851	849	853	851	852	856	856	854	854
1982	855	855	857	856	856	858	856	855	858	859	861	861
1983	865	866	868	866	867	870	875	876	881	878	882	883
1984	888	890	890	892	899	905	907	913	912	917	922	924
1985	928	930	934	943	950	948	951	957	959	962	965	968
1986	976	978	981	992	997	998	1,005	1,009	1,010	1,016	1,021	1,025
1987	1,031	1,037	1,039	1,042	1,046	1,048	1,052	1,055	1,058	1,066	1,069	1,072
1988	1,070	1,074	1,079	1,087	1,091	1,098	1,099	1,103	1,108	1,111	1,115	1,122
1989	1,124	1,131	1,137	1,134	1,137	1,141	1,148	1,155	1,159	1,163	1,164	1,168
1990	1,171	1,175	1,181	1,181	1,187	1,195	1,199	1,204	1,207	1,213	1,215	1,218



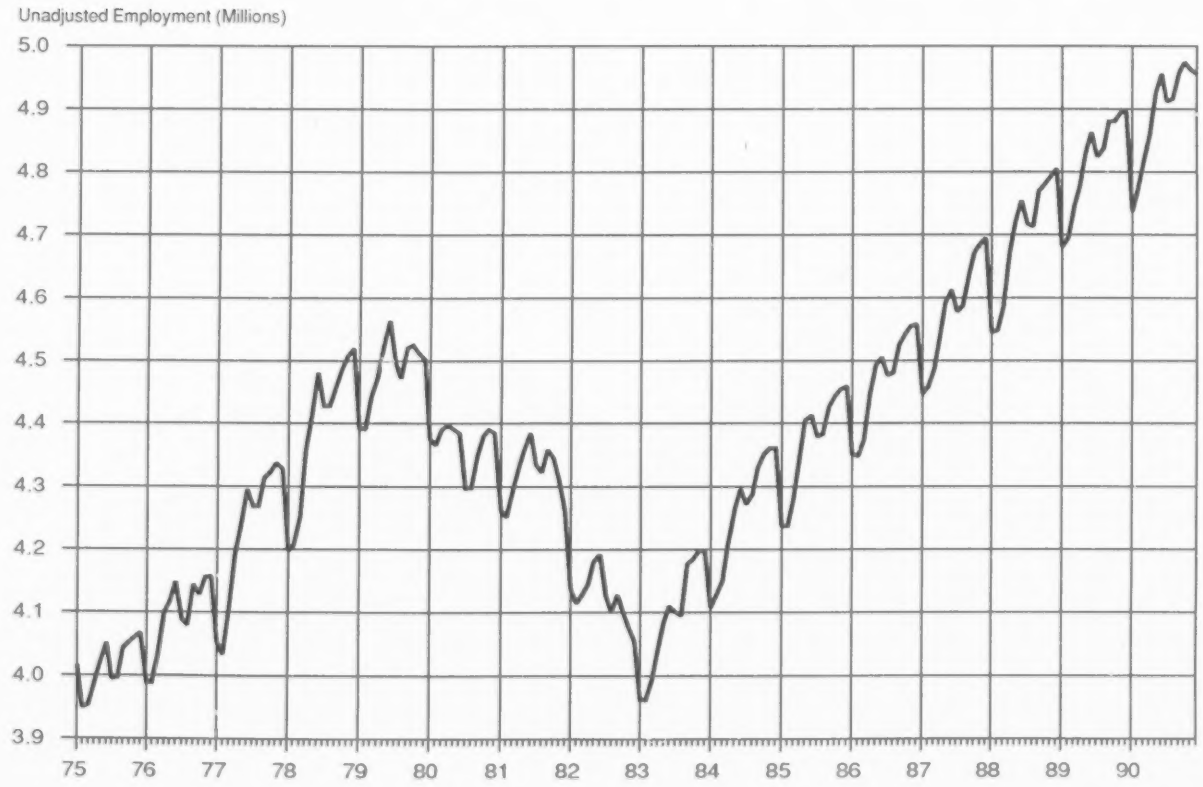
Ohio Nonagricultural Wage and Salary Employment: 1981-1990
(in thousands)
Seasonally Adjusted

Government

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	693	687	686	682	681	680	674	672	662	667	665	664
1982	664	662	661	661	660	661	660	662	656	657	656	655
1983	657	657	657	656	655	650	657	657	662	655	655	654
1984	650	654	651	653	651	650	652	657	659	662	662	661
1985	652	658	661	663	664	662	669	670	671	670	671	673
1986	676	676	675	677	678	679	677	680	681	682	682	683
1987	687	685	686	687	687	688	687	688	685	688	690	691
1988	690	690	691	691	693	693	695	689	696	698	700	701
1989	700	700	703	703	706	708	707	706	708	711	710	714
1990	714	717	720	722	731	727	728	726	725	727	727	726

State of Ohio

Total Nonagricultural Employment



Nonagricultural Wage and Salary Employment in Ohio, By Industrial Division, Since 1939[a]

(in thousands)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	1783.8	27.3	63.1	769.8	158.4	330.4	56.7	176.4	201.8
1940	1906.6	27.0	65.3	843.6	169.2	350.5	56.1	184.6	210.2
1941	2201.3	29.9	101.8	1039.4	186.8	370.9	60.4	192.6	219.4
1942	2411.3	32.2	99.3	1204.9	198.2	368.3	58.3	200.1	250.1
1943	2607.0	29.2	79.7	1390.1	204.7	360.3	56.0	201.6	285.4
1944	2558.0	27.9	59.3	1359.7	209.8	361.8	55.5	202.3	281.8
1945	2417.9	25.7	61.2	1218.2	207.1	358.9	56.9	209.8	280.1
1946	2532.1	27.6	101.6	1190.0	219.2	410.6	65.5	239.9	277.7
1947	2708.3	30.2	123.1	1269.3	227.6	457.3	69.2	259.5	272.1
1948	2785.5	31.1	134.6	1261.7	235.8	495.7	72.2	277.0	277.6
1949	2654.9	28.1	127.1	1142.2	217.5	503.7	73.6	274.8	287.8
1950	2760.0	27.9	134.1	1220.0	223.3	505.7	76.8	277.3	294.8
1951	2953.4	26.3	158.8	1339.5	236.6	523.8	79.4	283.0	306.0
1952	3005.7	24.4	161.4	1357.3	235.0	537.4	85.4	291.5	313.2
1953	3150.3	23.0	166.5	1446.9	240.1	557.2	89.3	303.1	324.3
1954	3028.4	20.7	184.0	1314.0	221.3	555.9	92.6	307.8	332.1
1955	3128.9	21.0	183.4	1370.6	223.8	571.2	96.3	318.5	344.1
1956	3219.7	22.1	184.8	1393.7	228.9	598.0	100.6	335.0	356.7
1957	3230.6	22.0	183.3	1370.9	226.4	609.4	104.9	346.9	366.9
1958	3007.2	20.1	162.8	1198.3	207.6	586.6	107.9	344.6	379.4
1959	3112.5	20.0	161.4	1264.5	208.5	603.3	111.8	356.2	386.7
1960	3147.3	19.9	152.2	1264.8	208.7	619.2	116.2	367.2	399.2
1961	3044.3	18.9	142.1	1183.2	198.5	601.3	119.2	368.7	412.5
1962	3099.2	18.8	137.9	1218.2	198.1	605.2	120.5	376.4	424.2
1963	3145.2	18.4	137.1	1236.6	197.1	611.3	122.6	390.3	431.7
1964	3216.3	19.6	141.3	1259.1	197.8	624.0	124.9	409.3	440.3
1965	3364.3	18.8	152.0	1326.0	202.3	647.6	127.0	432.1	458.6
1966	3537.3	18.4	162.0	1404.4	207.5	675.2	129.6	457.1	483.0
1967	3619.8	18.9	163.8	1401.4	209.0	697.3	135.3	484.6	509.5
1968	3750.8	18.9	175.5	1433.5	214.4	727.0	141.0	512.2	528.3
1969	3887.3	19.6	184.8	1471.0	221.0	759.0	146.0	541.2	544.8
1970	3880.7	20.6	164.2	1409.9	225.0	773.2	154.2	568.1	565.5
1971	3839.6	20.8	155.2	1333.8	223.8	782.8	158.6	587.4	577.2
1972	3938.4	22.7	165.1	1346.8	222.9	816.3	163.8	611.7	589.1
1973	4112.9	22.9	175.5	1426.3	224.9	852.6	169.0	643.9	597.8
1974	4169.4	24.2	172.3	1416.6	227.8	873.8	171.9	669.7	613.1
1975	4016.2	26.8	154.9	1267.5	213.2	868.0	173.1	686.3	626.4
1976	4094.6	28.2	154.2	1295.3	213.7	890.8	177.0	703.2	632.2
1977	4230.1	29.1	162.8	1344.1	219.1	917.8	183.4	731.4	642.3
1978	4394.9	29.0	176.6	1377.2	225.0	956.4	191.1	772.1	667.5
1979	4484.8	31.6	182.9	1382.3	232.1	975.2	200.6	806.2	674.0
1980	4367.4	30.7	167.4	1264.3	223.1	957.2	203.8	830.9	689.9
1981	4317.7	30.7	153.7	1232.6	217.2	950.1	205.8	851.6	676.0
1982	4124.3	30.3	134.6	1099.9	206.8	929.3	206.4	857.3	659.6
1983	4092.5	26.6	130.8	1066.0	198.5	933.5	207.8	873.3	656.1
1984	4260.2	27.8	144.8	1127.0	203.9	984.7	211.5	905.2	655.2
1985	4372.9	26.1	154.0	1124.2	202.7	1031.7	219.3	949.5	665.2
1986	4471.4	22.6	160.7	1109.8	203.4	1062.8	232.3	1001.0	678.9
1987	4582.6	20.9	176.4	1098.9	207.8	1096.3	243.8	1051.2	687.3
1988	4700.6	18.9	185.6	1110.6	212.1	1133.8	249.0	1096.8	693.8
1989	4817.4	17.9	193.6	1122.6	216.4	1161.1	252.4	1147.1	706.4
1990[b]	4895.8	17.6	198.5	1111.7	219.7	1173.6	254.9	1195.6	724.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics.
[b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (2-26-91) RS 790.1-2
(March 1990 BM)

Proportion of Nonagricultural Wage and Salary Employees in Ohio, By Industrial Division, Since 1939[a]

(percent of Ohio total)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	100	1.5	3.5	43.2	8.9	18.5	3.2	9.9	11.3
1940	100	1.4	3.4	44.2	8.9	18.4	2.9	9.7	11.0
1941	100	1.4	4.6	47.2	8.5	16.8	2.7	8.7	10.0
1942	100	1.3	4.1	50.0	8.2	15.3	2.4	8.3	10.4
1943	100	1.1	3.1	53.3	7.9	13.8	2.1	7.7	10.9
1944	100	1.1	2.3	53.2	8.2	14.1	2.2	7.9	11.0
1945	100	1.1	2.5	50.4	8.6	14.8	2.4	8.7	11.6
1946	100	1.1	4.0	47.0	8.7	16.2	2.6	9.5	11.0
1947	100	1.1	4.5	46.9	8.4	16.9	2.6	9.6	10.0
1948	100	1.1	4.8	45.3	8.5	17.8	2.6	9.9	10.0
1949	100	1.1	4.8	43.0	8.2	19.0	2.8	10.4	10.8
1950	100	1.0	4.9	44.2	8.1	18.3	2.8	10.0	10.7
1951	100	.9	5.4	45.4	8.0	17.7	2.7	9.6	10.4
1952	100	.8	5.4	45.2	7.8	17.9	2.8	9.7	10.4
1953	100	.7	5.3	45.9	7.6	17.7	2.8	9.6	10.3
1954	100	.7	6.1	43.4	7.3	18.4	3.1	10.2	11.0
1955	100	.7	5.9	43.8	7.2	18.3	3.1	10.2	11.0
1956	100	.7	5.7	43.3	7.1	18.6	3.1	10.4	11.1
1957	100	.7	5.7	42.4	7.0	18.9	3.2	10.7	11.4
1958	100	.7	5.4	39.8	6.9	19.5	3.6	11.5	12.6
1959	100	.6	5.2	40.6	6.7	19.4	3.6	11.4	12.4
1960	100	.6	4.8	40.2	6.6	19.7	3.7	11.7	12.7
1961	100	.6	4.7	38.9	6.5	19.8	3.9	12.1	13.5
1962	100	.6	4.4	39.3	6.4	19.5	3.9	12.1	13.7
1963	100	.6	4.4	39.3	6.3	19.4	3.9	12.4	13.7
1964	100	.6	4.4	39.1	6.1	19.4	3.9	12.7	13.7
1965	100	.6	4.5	39.4	6.0	19.2	3.8	12.8	13.6
1966	100	.5	4.6	39.7	5.9	19.1	3.7	12.9	13.7
1967	100	.5	4.5	38.7	5.8	19.3	3.7	13.4	14.1
1968	100	.5	4.7	38.2	5.7	19.4	3.8	13.7	14.1
1969	100	.5	4.8	37.8	5.7	19.5	3.8	13.9	14.0
1970	100	.5	4.2	36.3	5.8	19.9	4.0	14.6	14.6
1971	100	.5	4.0	34.7	5.8	20.4	4.1	15.3	15.0
1972	100	.6	4.2	34.2	5.7	20.7	4.2	15.5	15.0
1973	100	.6	4.3	34.7	5.5	20.7	4.1	15.7	14.5
1974	100	.6	4.1	34.0	5.5	21.0	4.1	16.1	14.7
1975	100	.7	3.9	31.6	5.3	21.6	4.3	17.1	15.6
1976	100	.7	3.8	31.6	5.2	21.8	4.3	17.2	15.4
1977	100	.7	3.8	31.8	5.2	21.7	4.3	17.3	15.2
1978	100	.7	4.0	31.3	5.1	21.8	4.3	17.6	15.2
1979	100	.7	4.1	30.8	5.2	21.7	4.5	18.0	15.0
1980	100	.7	3.8	28.9	5.1	21.9	4.7	19.0	15.8
1981	100	.7	3.6	28.5	5.0	22.0	4.8	19.7	15.7
1982	100	.7	3.3	26.7	5.0	22.5	5.0	20.8	16.0
1983	100	.6	3.2	26.0	4.8	22.8	5.1	21.3	16.0
1984	100	.7	3.4	26.5	4.8	23.1	5.0	21.2	15.4
1985	100	.6	3.5	25.7	4.6	23.6	5.0	21.7	15.2
1986	100	.5	3.6	24.8	4.5	23.8	5.2	22.4	15.2
1987	100	.5	3.8	24.0	4.5	23.9	5.3	22.9	15.0
1988	100	.4	3.9	23.6	4.5	24.1	5.3	23.3	14.8
1989	100	.4	4.0	23.3	4.5	24.1	5.2	23.8	14.7
1990[b]	100	.4	4.1	22.7	4.5	24.0	5.2	24.4	14.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics.
[b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (2-26-91) RS 790.1-2.1
(March 1990 BM)

Nonagricultural Wage and Salary Employment in Ohio, Goods-Producing Industries, Since 1939[a]

Year	Employment (in thousands)				Goods-Producing as Percent of NAG Employment	Manufacturing as Percent of Goods-Producing Employment	Durable-Goods as Percent of Manufacturing Employment
	Nonagricultural Wage and Salary (NAG)	Goods-Producing	Manufacturing	Durable-Goods			
1939	1783.8	860.2	769.8	487.7	48.2	89.5	63.4
1940	1906.6	935.9	843.6	554.4	49.1	90.1	65.7
1941	2201.3	1171.1	1039.4	719.2	53.2	88.8	69.2
1942	2411.3	1336.4	1204.9	862.8	55.4	90.2	71.6
1943	2607.0	1499.0	1390.1	1039.2	57.5	92.7	74.8
1944	2558.0	1446.9	1359.7	1013.9	56.6	94.0	74.6
1945	2417.9	1305.1	1218.2	879.9	54.0	93.3	72.2
1946	2532.1	1319.2	1190.0	818.4	52.1	90.2	68.8
1947	2708.3	1422.6	1269.3	894.1	52.5	89.2	70.4
1948	2785.5	1427.4	1261.7	887.6	51.2	88.4	70.3
1949	2654.9	1297.4	1142.2	783.5	48.9	88.0	68.6
1950	2760.0	1382.0	1220.0	847.7	50.1	88.3	69.5
1951	2953.4	1524.6	1339.5	954.5	51.6	87.9	71.3
1952	3005.7	1543.1	1357.3	973.1	51.3	88.0	71.7
1953	3150.3	1636.4	1446.9	1052.0	51.9	88.4	72.7
1954	3028.4	1518.7	1314.0	937.1	50.1	86.5	71.3
1955	3128.9	1575.0	1370.6	980.0	50.3	87.0	71.5
1956	3219.7	1600.6	1393.7	1002.0	49.7	87.1	71.9
1957	3230.6	1576.2	1370.9	984.7	48.8	87.0	71.8
1958	3007.2	1381.2	1198.3	828.9	45.9	86.8	69.2
1959	3112.5	1445.9	1264.5	886.8	46.5	87.5	70.1
1960	3147.3	1436.9	1264.8	889.8	45.7	88.0	70.4
1961	3044.3	1344.2	1183.2	821.6	44.2	88.0	69.4
1962	3099.2	1374.9	1218.2	853.6	44.4	88.6	70.1
1963	3145.2	1392.1	1236.6	869.6	44.3	88.8	70.3
1964	3216.3	1420.0	1259.1	887.1	44.2	88.7	70.5
1965	3364.3	1496.8	1326.0	941.7	44.5	88.6	71.0
1966	3537.3	1584.8	1404.4	1004.7	44.8	88.6	71.5
1967	3619.8	1584.1	1401.4	998.6	43.8	88.5	71.3
1968	3750.8	1627.9	1433.5	1021.8	43.4	88.1	71.3
1969	3887.3	1675.4	1471.0	1052.7	43.1	87.8	71.6
1970	3880.7	1594.7	1409.9	1002.5	41.1	88.4	71.1
1971	3839.6	1509.8	1333.8	963.1	39.3	88.3	72.2
1972	3938.4	1534.6	1346.8	948.8	39.0	87.8	70.4
1973	4112.9	1624.7	1426.3	1018.2	39.5	87.8	71.4
1974	4169.4	1613.1	1416.6	1013.1	38.7	87.8	71.5
1975	4016.2	1449.2	1267.5	892.4	36.1	87.5	70.4
1976	4094.6	1477.7	1295.3	910.6	36.1	87.7	70.3
1977	4230.1	1536.0	1344.1	945.2	36.3	87.5	70.3
1978	4394.9	1582.8	1377.2	974.5	36.0	87.0	70.8
1979	4484.8	1596.8	1382.3	978.1	35.6	86.6	70.8
1980	4367.4	1462.4	1264.3	880.3	33.5	86.5	69.6
1981	4317.7	1417.0	1232.6	858.2	32.8	87.0	69.6
1982	4124.3	1264.8	1099.9	750.5	30.7	87.0	68.2
1983	4092.5	1223.4	1066.0	721.9	29.9	87.1	67.7
1984	4260.2	1299.7	1127.0	771.7	30.5	86.7	68.5
1985	4372.9	1304.3	1124.2	767.0	29.8	86.2	68.2
1986	4471.4	1293.1	1109.8	751.0	28.9	85.8	67.7
1987	4582.6	1296.2	1098.9	738.9	28.3	84.8	67.2
1988	4700.6	1315.1	1110.6	747.3	28.0	84.4	67.3
1989	4817.4	1334.1	1122.6	754.7	27.7	84.1	67.2
1990[b]	4895.8	1327.8	1111.7	743.3	27.1	83.7	66.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Includes full- and part-time wage and salaried workers employed during pay periods including the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals because of rounding. [b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (2-26-91) RS 790.1-1
(March 1990 BM)

Ohio

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	4895.8	4738.1	4770.5	4819.8	4859.9	4925.3	4956.0	4912.3	4916.5	4958.1	4974.2	4962.8	4955.9
Goods-Producing Industries	1327.8	1273.4	1292.8	1305.5	1317.5	1334.0	1352.0	1347.3	1356.3	1357.5	1352.7	1331.3	1313.0
Mining	17.6	17.1	17.0	17.2	17.4	17.6	17.9	18.0	18.0	17.9	17.8	17.6	17.4
Coal Mining	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8
Oil and Gas Extraction	5.8	5.9	5.7	5.7	5.7	5.8	5.9	6.0	6.0	6.0	5.9	5.8	5.9
Construction	198.5	171.6	170.7	178.6	188.4	199.1	207.4	214.5	217.8	216.4	213.6	207.6	195.7
General Building Contractors	47.5	43.8	43.4	44.6	45.6	47.2	49.3	50.4	50.9	50.3	49.1	48.7	47.2
Nonresidential Building Construction	24.7	23.3	22.9	23.5	23.6	24.4	25.4	25.8	26.0	26.0	25.5	25.4	24.7
Heavy Construction, Except Building	23.8	16.1	16.0	17.9	21.8	24.9	26.9	28.1	28.7	29.1	28.6	26.0	21.7
Highway and Street Construction	8.2	4.0	4.1	5.1	7.3	9.3	10.1	10.7	11.0	11.0	10.5	9.3	6.6
Special Trade Contractors	127.1	111.6	111.3	116.1	121.0	127.0	131.1	135.9	138.2	137.1	135.8	132.9	126.9
Manufacturing	1111.7	1084.7	1105.1	1109.7	1111.7	1117.2	1126.7	1114.8	1120.5	1123.2	1121.3	1106.1	1099.9
Durable Goods[c]	743.3	722.2	743.5	746.4	748.1	750.7	756.0	745.0	748.4	748.0	746.9	734.4	729.8
Lumber and Wood Products	21.6	20.4	20.5	21.3	21.6	21.9	22.0	22.1	21.9	22.0	22.1	21.9	21.5
Millwork, Plywood and Structural Members	9.9	9.5	9.2	9.7	9.9	10.2	10.2	10.2	10.0	9.9	10.0	10.0	9.8
Furniture and Fixtures	15.1	14.7	14.8	15.3	15.0	15.1	15.2	15.1	15.1	15.1	15.2	15.2	15.2
Stone, Clay, and Glass Products	45.6	44.9	44.6	45.4	46.1	46.0	46.5	46.2	46.3	46.1	46.0	45.4	43.8
Primary Metal Industries	100.1	98.1	99.6	99.8	99.3	100.3	101.7	99.4	100.5	101.9	101.2	99.8	99.7
Blast Furnace and Basic Steel Products	46.5	46.0	46.1	46.1	46.2	46.3	46.8	46.4	46.6	46.9	46.7	46.5	46.9
Iron and Steel Foundries	19.7	18.9	19.9	20.0	19.1	19.7	20.2	19.3	19.6	20.1	19.9	19.8	19.8
Nonferrous Rolling and Drawing	16.0	15.5	16.0	16.0	16.3	16.4	16.6	15.8	16.1	16.6	16.2	15.3	15.0
Nonferrous Foundries	10.6	10.5	10.5	10.6	10.4	10.5	10.7	10.4	10.6	10.7	10.7	10.6	10.5
Fabricated Metal Products	131.0	126.3	130.3	130.6	131.5	132.4	133.4	132.0	131.8	132.6	131.6	130.0	129.6
Fabricated Structural Metal Products	29.2	28.6	28.3	28.5	28.9	29.0	29.5	29.3	29.7	29.8	29.8	29.6	29.6
Metal Forgings and Stampings	37.6	33.8	37.3	37.6	38.0	38.3	38.5	38.1	37.8	38.4	38.2	37.4	37.3
Industrial Machinery and Equipment	165.2	165.8	166.3	166.3	165.8	166.0	166.7	166.3	165.0	164.5	163.7	162.7	163.5
Construction and Related Machinery	13.3	13.9	14.0	13.8	13.5	13.4	13.5	13.4	13.3	13.0	12.7	12.5	12.5
Metalworking Machinery	48.2	48.1	48.1	48.3	48.2	48.2	48.3	48.6	48.4	48.2	48.2	48.1	48.3
Special Industry Machinery	16.5	16.8	16.8	16.9	16.9	16.9	16.9	16.7	16.5	16.5	16.3	15.6	15.7
General Industrial Machinery	26.0	25.8	26.2	25.8	25.9	25.8	25.9	26.0	26.0	26.0	26.0	26.0	26.2
Computer and Office Equipment	11.1	11.0	11.1	11.1	11.1	11.1	11.3	11.5	11.3	11.1	10.8	10.8	10.7
Refrigeration and Service Machinery	15.7	16.0	15.8	15.9	16.0	16.2	16.4	15.9	15.3	15.3	15.2	15.0	15.4
Electronic and Other Electric Equipment	79.2	79.9	80.1	80.2	80.1	79.8	79.7	79.4	79.0	78.8	78.6	77.8	77.3
Electrical Industrial Apparatus	12.3	12.5	12.5	12.4	12.3	12.2	12.2	12.0	12.0	12.2	12.4	12.4	12.3
Household Appliances	15.6	15.8	15.8	15.9	16.2	15.9	15.9	15.8	15.7	15.3	15.3	14.9	14.7
Electric Lighting and Wiring Equipment	16.2	15.9	16.4	16.5	16.4	16.4	16.4	16.3	16.2	16.3	16.2	15.9	15.9
Electronic Components and Accessories	11.8	11.9	11.8	11.8	11.9	11.9	11.9	11.9	11.8	11.7	11.6	11.5	11.4

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Transportation Equipment	143.6	130.3	145.5	145.4	146.7	147.1	148.7	142.4	146.8	145.2	147.0	140.6	137.8
Motor Vehicles and Equipment	97.8	84.1	99.3	99.4	100.7	101.1	102.5	96.3	100.8	99.5	101.6	95.5	93.3
Aircraft and Parts	37.5	37.7	37.7	37.7	37.6	37.7	37.8	37.7	37.6	37.4	37.2	36.9	36.9
Instruments and Related Products	26.4	26.9	26.7	26.8	26.6	26.5	26.4	26.3	26.2	26.1	26.0	26.0	26.1
Measuring and Controlling Devices	15.5	15.9	15.9	15.9	15.8	15.7	15.6	15.6	15.5	15.3	15.2	15.1	15.1
Nondurable Goods[d]	368.5	362.4	361.6	363.3	363.6	366.4	370.7	369.9	372.2	375.2	374.4	371.7	370.1
Food and Kindred Products	61.9	61.0	59.4	60.1	60.3	61.0	61.8	61.9	62.7	65.3	64.3	62.6	62.6
Dairy Products	10.0	9.4	9.5	9.6	9.7	9.9	10.0	10.1	10.1	10.1	10.4	10.3	10.3
Preserved Fruits and Vegetables	10.8	10.8	10.2	10.5	10.2	10.3	10.5	10.4	10.9	13.2	12.0	10.4	10.6
Bakery Products	9.4	9.4	8.8	9.1	9.4	9.6	9.5	9.4	9.6	9.5	9.6	9.6	9.6
Apparel and Other Textile Products	14.8	14.3	14.6	14.8	14.6	14.8	14.9	14.7	14.8	15.0	15.1	15.0	14.6
Paper and Allied Products	37.6	37.5	37.2	37.2	36.9	36.9	37.5	37.7	37.8	37.9	37.8	38.4	38.4
Paperboard Containers and Boxes	13.5	13.5	13.4	13.4	13.2	13.2	13.4	13.3	13.5	13.7	13.8	14.0	13.9
Miscellaneous Converted Paper Products	12.2	12.1	12.0	12.1	12.2	12.2	12.3	12.3	12.1	12.1	12.1	12.2	12.2
Printing and Publishing	75.2	74.1	73.9	74.2	74.3	74.5	75.3	75.7	75.8	75.9	75.9	76.2	76.4
Newspapers	19.0	18.9	18.9	18.9	18.9	18.9	19.0	19.1	19.1	19.2	19.2	19.2	19.2
Commercial Printing	27.6	27.1	27.0	27.2	27.2	27.4	27.6	27.7	27.8	27.9	28.0	28.1	28.2
Chemicals and Allied Products	66.1	65.3	65.3	65.6	65.3	65.7	66.3	66.8	66.8	66.5	66.6	66.4	66.7
Plastics Materials and Synthetics	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.8	9.8	9.6	9.6	9.6	9.7
Rubber and Miscellaneous Plastics Products	94.0	92.3	92.9	93.1	93.7	94.5	95.7	93.8	94.9	95.4	95.4	94.2	92.6
Tires and Inner Tubes	14.7	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.9	15.0	14.9
Miscellaneous Plastics Products	57.5	55.6	56.5	56.6	57.1	57.7	58.5	57.2	58.1	58.8	58.8	57.8	56.7
Service-Producing Industries	3568.0	3464.8	3477.7	3514.3	3542.4	3591.3	3604.0	3565.0	3560.3	3600.6	3621.5	3631.6	3642.8
Transportation and Public Utilities	219.7	214.7	214.5	216.1	217.1	219.6	221.1	221.3	221.4	222.6	222.4	222.1	223.4
Transportation	127.6	122.9	122.7	124.2	125.2	127.7	128.5	128.6	129.2	130.6	130.4	130.3	131.5
Railroad Transportation	12.2	12.2	11.9	11.9	12.1	12.4	12.4	12.4	12.4	12.3	12.3	12.0	11.9
Trucking and Warehousing	75.8	72.6	72.9	73.7	74.1	75.1	75.8	76.4	76.8	77.4	77.5	78.0	78.9
Transportation by Air	14.4	13.9	14.0	14.2	14.1	14.1	14.4	14.3	14.5	14.7	14.6	14.7	14.9
Communications, Electric, Gas Services	92.1	91.9	91.8	91.9	91.9	92.0	92.6	92.6	92.2	92.0	92.0	91.8	91.9
Communications	48.5	48.5	48.6	48.6	48.5	48.5	48.5	48.4	48.2	48.4	43.5	48.3	48.3
Electric, Gas, and Sanitary Services	43.6	43.3	43.3	43.3	43.4	43.5	44.2	44.2	44.0	43.6	43.5	43.5	43.6
Wholesale Trade	262.8	257.9	257.5	259.2	260.9	262.5	264.6	265.6	265.2	264.4	265.1	265.2	265.9
Wholesale Trade-Durable Goods	164.1	161.6	161.5	162.6	162.9	163.8	165.0	165.8	165.5	165.0	165.3	165.1	165.2
Motor Vehicles, Parts, and Supplies	22.1	21.9	21.8	21.9	21.9	22.0	22.2	22.3	22.2	22.2	22.2	22.2	22.1
Professional and Commercial Equipment	32.2	32.0	32.0	32.1	32.0	32.1	32.1	32.3	32.4	32.3	32.3	32.3	32.3
Metals and Minerals, Except Petroleum	11.1	10.8	10.9	11.0	10.9	11.0	11.0	11.2	11.2	11.2	11.1	11.2	11.2
Electrical Goods	17.7	17.9	17.9	18.0	17.5	17.4	17.6	17.7	17.6	17.5	17.6	17.6	17.6
Hardware, Plumbing and Heating Equipment	12.4	12.4	12.4	12.4	12.3	12.4	12.5	12.6	12.5	12.4	12.5	12.5	12.4

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Machinery, Equipment, and Supplies	40.6	39.6	39.7	40.0	40.5	40.7	41.1	41.1	41.0	40.8	40.9	40.7	40.8
Wholesale Trade-Nondurable Goods	98.7	96.3	96.0	96.6	98.0	98.7	99.6	99.8	99.7	99.4	99.8	100.1	100.8
Groceries and Related Products	33.3	32.3	32.1	32.2	32.8	33.0	33.7	33.9	33.9	33.8	33.9	34.1	34.3
Retail Trade	910.8	889.0	878.0	886.9	896.7	910.4	920.0	917.8	922.2	919.6	917.8	928.9	941.7
Building Materials and Garden Supplies	34.5	31.3	31.1	32.8	34.5	36.3	37.0	36.1	35.8	35.3	34.7	34.5	34.4
Lumber and Other Building Materials	17.5	15.9	16.0	16.7	17.3	17.9	18.7	18.5	18.5	18.2	17.7	17.5	17.4
General Merchandise Stores	126.3	129.1	121.9	122.2	122.3	123.4	124.2	123.9	124.3	125.3	126.8	133.4	139.2
Department Stores	105.4	107.6	101.8	102.3	102.2	102.9	103.5	103.2	103.8	104.5	105.8	111.0	115.8
Variety Stores	10.2	10.1	9.8	9.7	9.8	10.1	10.2	10.2	10.3	10.3	10.4	10.8	11.0
Food Stores	140.4	138.1	137.2	137.1	138.6	139.4	141.6	141.8	141.6	140.6	140.9	143.0	145.0
Grocery Stores	124.4	122.9	122.2	122.0	122.7	123.4	125.5	125.8	125.5	124.6	124.7	126.3	127.6
Automotive Dealers and Service Stations	98.9	97.3	97.2	98.1	98.7	99.3	100.0	100.4	100.7	100.0	99.1	98.2	97.7
New and Used Car Dealers	42.0	41.7	41.7	42.1	42.0	42.2	42.3	42.5	42.5	42.3	41.8	41.5	41.2
Gasoline Service Stations	35.6	35.1	35.0	35.2	35.3	35.6	35.7	36.0	36.2	36.0	35.8	35.5	35.7
Apparel and Accessory Stores	49.6	50.7	48.4	48.2	48.1	48.1	48.0	48.1	49.4	49.7	50.3	52.1	54.3
Furniture and Homefurnishings Stores	31.2	31.2	30.7	30.8	30.8	30.8	30.8	30.9	31.1	31.2	31.5	32.1	32.8
Eating and Drinking Places	313.1	296.2	298.0	304.2	310.5	318.6	323.2	321.2	323.1	320.5	315.1	313.5	312.6
Miscellaneous Retail	116.7	115.1	113.6	113.4	113.2	114.4	115.2	115.4	116.2	117.0	119.4	122.1	125.7
Drug Stores and Proprietary Stores	30.9	30.8	30.6	30.7	30.6	30.6	30.8	30.7	30.6	30.8	31.1	31.4	31.8
Nonstore Retailers	22.6	21.9	21.9	21.8	21.5	22.0	22.3	22.5	22.8	22.9	23.4	23.9	24.2
Finance, Insurance, and Real Estate	254.9	250.7	251.1	252.3	252.6	254.2	257.3	258.5	258.4	256.4	255.7	255.4	255.8
Finance	121.0	120.3	120.1	120.6	120.2	120.6	121.4	122.0	122.1	121.2	121.0	121.1	121.3
Depository Institutions	89.9	89.6	89.4	89.5	89.3	89.7	90.6	90.8	90.8	90.0	89.8	89.8	89.9
Commercial Banks	63.9	63.1	63.1	63.2	63.2	63.5	64.3	64.7	64.7	64.2	64.1	64.2	64.3
Insurance	90.5	89.4	89.7	90.3	90.0	90.4	91.0	91.1	90.9	90.5	90.6	90.6	91.0
Insurance Carriers	68.9	68.2	68.3	68.7	68.6	68.9	69.5	69.5	69.2	68.8	68.8	68.9	69.1
Life Insurance	25.2	25.0	25.0	25.0	25.1	25.2	25.2	25.2	25.2	25.2	25.3	25.4	25.6
Fire, Marine, and Casualty Insurance	30.7	30.2	30.3	30.6	30.5	30.6	30.9	31.1	31.2	30.9	30.7	30.8	30.8
Real Estate	43.4	40.9	41.3	41.5	42.5	43.3	44.9	45.4	45.5	44.7	44.2	43.7	43.5
Services	1195.6	1136.6	1146.7	1161.5	1178.9	1194.3	1214.9	1217.6	1220.4	1227.2	1222.0	1214.9	1212.6
Hotels and Other Lodging Places	39.6	37.6	37.5	37.9	37.8	39.4	41.3	42.0	42.2	41.1	39.8	39.3	39.5
Personal Services	54.7	55.1	55.8	56.1	56.7	53.7	53.8	53.7	53.6	54.0	54.2	54.2	55.0
Business Services	217.6	201.5	202.5	205.1	210.5	216.2	219.6	223.4	225.5	227.2	227.4	226.1	225.5
Services to Buildings	33.9	32.6	33.0	33.1	33.8	34.2	34.4	34.4	34.8	34.5	34.3	34.0	33.7
Personnel Supply Services	75.3	65.6	66.0	67.6	71.2	75.5	76.4	78.7	80.3	81.7	81.1	80.2	79.2
Computer and Data Processing Services	27.6	26.1	26.3	26.4	27.1	27.2	27.7	28.1	28.3	28.4	28.5	28.6	28.9
Amusements, Including Motion Pictures	61.3	46.3	46.4	49.2	57.5	66.5	75.1	76.6	76.2	71.6	61.1	55.4	53.9

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Health Services	396.7	388.5	389.6	391.1	390.9	392.5	397.1	399.3	400.9	401.6	402.1	402.7	404.6
Nursing and Personal Care Facilities	85.7	83.8	84.2	84.3	84.7	85.1	85.9	86.2	86.7	86.9	86.6	86.7	87.0
Hospitals	190.7	188.5	189.0	189.2	188.1	188.6	190.7	191.7	192.1	192.4	192.3	192.5	193.0
Legal Services	29.1	28.2	28.4	28.4	28.6	28.8	29.6	29.8	29.7	29.3	29.4	29.5	29.7
Educational Services	63.2	64.5	68.0	68.5	66.7	63.0	58.0	51.4	50.4	62.2	68.6	70.0	67.6
Colleges and Universities	35.6	36.5	39.5	39.7	38.3	34.3	30.3	26.8	26.1	35.0	40.2	41.3	38.8
Social Services	79.7	77.2	77.9	78.6	78.8	79.1	79.1	79.4	79.6	81.0	81.6	81.9	82.5
Residential Care	23.4	22.5	22.7	22.8	23.1	23.3	23.5	23.9	24.0	23.8	23.8	23.8	24.0
Membership Organizations	78.7	76.5	77.1	78.3	78.3	78.7	80.5	79.9	80.3	78.9	78.6	78.4	78.8
Engineering and Management Services	90.8	87.9	89.0	90.3	89.5	89.5	90.9	91.8	92.4	91.8	92.2	92.3	92.7
Engineering and Architectural Services	28.4	27.3	27.5	27.8	27.7	28.0	28.7	28.9	29.0	28.9	28.9	28.9	29.0
Accounting, Auditing, and Bookkeeping	21.3	21.4	21.8	22.0	21.8	21.0	20.9	21.0	21.1	21.1	21.3	21.3	21.6
Research and Testing Services	19.3	18.5	18.8	19.0	18.9	19.1	19.6	19.8	19.9	19.3	19.4	19.4	19.3
Management and Public Relations	21.9	20.7	20.9	21.5	21.1	21.3	21.7	22.2	22.4	22.5	22.7	22.7	22.8
Government	724.2	715.8	730.0	738.3	736.1	750.3	726.1	684.2	672.5	710.4	738.5	745.0	743.4
Federal Government	98.0	96.9	96.5	97.7	99.9	107.7	100.9	100.4	96.7	95.1	94.8	94.7	95.1
U.S. Postal Service	33.7	34.2	33.9	34.0	33.9	33.8	33.9	33.9	33.7	33.2	33.2	33.2	33.8
State Government	162.8	158.5	167.3	170.4	169.4	169.1	160.0	144.3	144.1	154.5	170.8	173.6	171.6
State Government Hospitals	15.8	16.0	15.9	16.0	15.9	16.0	16.0	15.9	15.8	15.8	15.6	15.6	15.5
State Government Education[e]	85.1	82.7	91.5	93.3	91.8	91.5	79.7	64.7	64.3	76.1	94.0	96.7	94.7
Local Government	463.4	460.4	466.2	470.2	466.8	473.4	465.3	439.5	431.7	460.8	472.9	476.7	476.8
Local Government Hospitals	14.2	14.1	14.1	14.0	14.1	14.0	14.2	14.3	14.3	14.3	14.4	14.4	14.4
Local Government Education	267.4	271.5	277.1	279.7	274.8	278.1	261.3	231.5	227.5	263.8	278.4	282.3	282.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-0 (1990)

Ohio

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	4817.4	4680.9	4696.4	4746.9	4777.8	4829.5	4863.5	4824.5	4837.4	4880.7	4881.6	4894.2	4896.1
Goods-Producing Industries	1334.1	1301.6	1297.2	1309.3	1321.0	1334.3	1352.8	1349.3	1362.6	1361.9	1345.8	1345.7	1327.1
Mining	17.9	17.7	17.6	17.7	17.8	17.8	18.2	16.6	18.6	18.7	18.7	18.0	17.7
Coal Mining	7.3	7.5	7.6	7.6	7.5	7.5	7.5	5.7[r]	7.5	7.6	7.5	7.1	7.0
Oil and Gas Extraction	5.8	6.0	5.8	5.7	5.5	5.4	5.6	5.9	6.0	5.9	6.0	5.9	6.0
Construction	193.6	165.0	161.2	169.0	181.7	191.5	202.1	212.0	215.9	214.7	211.1	205.4	193.0
General Building Contractors	46.7	42.8	42.1	43.1	45.0	45.7	47.9	49.6	50.2	49.9	48.7	48.3	47.1
Nonresidential Building Construction	24.4	22.8	22.3	22.7	23.5	23.7	24.5	25.4	25.9	26.0	25.7	25.5	24.8
Heavy Construction, Except Building	23.1	15.9	15.8	17.5	21.2	23.8	26.0	27.1	27.6	28.0	28.0	25.5	21.2
Highway and Street Construction	7.9	4.0	3.9	4.7	6.7	8.6	9.6	10.2	10.4	10.5	10.3	9.1	6.4
Special Trade Contractors	123.7	106.2	103.4	108.4	115.5	122.0	128.3	135.3	138.1	136.9	134.5	131.6	124.7
Manufacturing	1122.6	1118.9	1118.4	1122.6	1121.6	1125.0	1132.6	1120.7	1128.0	1128.5	1116.0	1122.3	1116.4
Durable Goods[c]	754.7	755.6	754.4	756.8	755.6	757.2	760.8	751.5	757.4	756.6	746.7	753.9	749.4
Lumber and Wood Products	22.0	21.7	21.6	21.7	21.5	22.1	22.3	22.3	22.5	22.6	22.6	22.0	21.8
Millwork, Plywood and Structural Members	9.9	9.7	9.6	9.7	9.7	10.0	10.1	10.2	10.3	10.1	10.0	9.8	9.8
Furniture and Fixtures	15.4	15.6	15.7	15.7	15.5	15.3	15.5	15.5	15.5	15.4	15.2	15.1	15.3
Stone, Clay, and Glass Products	45.9	44.7	44.8	45.3	45.4	45.7	46.4	46.7	46.8	46.7	46.2	46.0	46.0
Primary Metal Industries	102.4	103.1	102.9	102.8	103.2	103.4	103.3	101.1	102.6	103.3	100.2	101.8	100.3
Blast Furnace and Basic Steel Products	46.6	46.5	46.4	46.3	46.7	46.9	47.3	47.4	47.5	47.5	44.8[r]	46.4	45.9
Iron and Steel Foundries	20.5	20.9	20.9	20.9	20.8	20.9	20.8	19.5	20.4	20.3	20.2	20.2	19.7
Nonferrous Rolling and Drawing	17.2	17.8	17.6	17.5	17.6	17.4	17.1	16.5	16.7	17.3	17.1	17.1	16.7
Nonferrous Foundries	10.7	10.7	10.7	10.8	10.7	10.8	10.8	10.4	10.6	10.8	10.8	10.8	10.7
Fabricated Metal Products	135.6	137.3	136.9	137.3	136.4	136.7	136.6	134.7	134.8	135.0	134.0	133.9	133.4
Fabricated Structural Metal Products	30.0	29.9	29.6	29.8	29.8	30.1	30.3	30.3	30.3	30.3	30.2	29.8	29.7
Metal Forgings and Stampings	39.5	40.5	40.4	40.2	40.1	40.0	39.5	38.6	38.7	39.2	38.7	39.0	38.6
Industrial Machinery and Equipment	167.7	167.1	167.6	168.7	167.9	167.8	169.2	168.6	167.9	168.0	164.6	167.7	167.6
Construction and Related Machinery	14.1	14.1	13.8	13.8	13.9	14.0	14.2	14.2	14.3	14.1	14.1	14.1	14.2
Metalworking Machinery	48.3	47.3	47.4	47.9	48.0	48.0	48.5	48.4	48.6	48.5	48.9	48.9	49.2
Special Industry Machinery	17.1	16.9	17.2	17.4	17.1	17.0	17.0	17.0	17.0	17.1	17.0	17.3	17.0
General Industrial Machinery	26.0	26.2	26.4	26.5	26.2	26.3	26.5	26.7	26.1	26.0	23.0[r]	25.9	25.8
Computer and Office Equipment	11.4	11.9	11.8	11.9	11.4	11.3	11.4	11.5	11.2	11.3	11.2	11.2	11.1
Refrigeration and Service Machinery	16.5	16.4	16.4	16.3	16.4	16.5	16.8	16.9	16.8	16.8	16.4	16.3	16.0
Electronic and Other Electric Equipment	79.9	80.7	79.7	79.8	78.9	79.0	79.8	79.9	79.8	80.1	80.2	80.5	80.6
Electrical Industrial Apparatus	12.7	12.7	12.7	12.8	12.5	12.6	12.7	12.7	12.6	12.7	12.6	12.6	12.7
Household Appliances	15.4	16.0	15.3	15.2	14.9	14.9	15.3	15.3	15.4	15.4	15.4	15.6	15.5
Electric Lighting and Wiring Equipmen	16.6	16.7	16.7	16.6	16.6	16.6	16.6	16.7	16.5	16.5	16.6	16.6	16.6
Electronic Components and Accessories	11.5	11.4	11.4	11.5	11.4	11.4	11.4	11.5	11.4	11.5	11.8	11.8	11.8

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Transportation Equipment	143.8	143.7	143.7	144.0	145.1	145.4	145.4	140.3	145.0	143.0	141.6	145.0	142.8
Motor Vehicles and Equipment	98.2	98.2	98.6	99.0	99.9	100.1	99.7	94.7	99.5	97.2	95.8	98.9	96.7
Aircraft and Parts	36.8	36.8	36.4	36.3	36.3	36.3	36.4	36.9	37.0	37.2	37.2	37.5	37.5
Instruments and Related Products	26.8	26.9	26.7	26.6	26.7	26.7	26.8	26.9	27.1	27.0	26.9	26.6	26.6
Measuring and Controlling Devices	16.3	16.5	16.4	16.3	16.2	16.2	16.3	16.3	16.5	16.4	16.2	15.9	15.8
Nondurable Goods[d]	367.9	363.4	364.1	365.8	366.0	367.7	371.7	369.2	370.7	371.9	369.3	368.4	367.0
Food and Kindred Products	62.9	61.8	61.2	61.5	61.8	62.4	63.5	63.7	64.7	66.1	63.6	62.4	61.9
Dairy Products	10.0	9.6	9.7	9.9	10.2	10.2	10.3	10.2	10.2	10.1	9.8	9.8	9.8
Preserved Fruits and Vegetables	11.0	10.8	10.3	10.3	10.4	10.6	10.7	10.7	11.9	13.4	11.7	10.7	10.3
Bakery Products	9.6	9.3	9.1	9.3	9.5	9.6	9.9	9.9	9.8	9.8	9.8	9.9	9.6
Apparel and Other Textile Products	15.4	15.4	15.6	15.7	15.6	15.3	15.1	15.4	15.5	15.5	15.2	15.2	14.8
Paper and Allied Products	37.4	37.2	37.2	37.2	37.3	37.4	37.6	37.6	37.7	37.5	37.6	37.5	37.5
Paperboard Containers and Boxes	13.5	13.3	13.3	13.3	13.3	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.6
Miscellaneous Converted Paper Products	12.1	12.1	12.1	12.2	12.1	12.1	12.2	12.2	12.2	12.1	12.0	12.0	12.0
Printing and Publishing	73.8	72.3	73.1	73.3	73.1	73.5	74.2	73.9	74.0	74.0	74.1	74.7	74.9
Newspapers	18.8	18.8	18.8	18.7	18.6	18.6	18.7	18.7	18.8	18.7	18.9	18.9	19.0
Commercial Printing	27.1	26.5	26.8	26.9	27.0	27.1	27.3	27.1	27.2	27.3	27.4	27.4	27.5
Chemicals and Allied Products	65.0	64.1	64.3	64.7	64.4	64.9	65.9	65.7	65.5	65.1	64.9	64.9	65.1
Plastics Materials and Synthetics	9.7	9.5	9.5	9.6	9.5	9.6	9.9	9.9	9.9	9.8	9.8	9.7	9.7
Rubber and Miscellaneous Plastics Products	95.5	95.1	95.4	96.0	96.1	96.2	97.1	94.5	94.8	95.4	95.3	95.3	94.6
Tires and Inner Tubes	15.0	14.6	14.6	15.3	15.5	15.6	15.7	14.8	14.8	14.8	14.9	14.9	14.9
Miscellaneous Plastics Products	57.7	57.6	57.8	57.8	57.8	57.8	58.4	57.1	57.4	58.0	57.7	57.7	57.1
Service-Producing Industries	3483.4	3379.3	3399.1	3437.6	3456.8	3495.2	3510.7	3475.2	3474.8	3518.7	3535.8	3548.4	3568.9
Transportation and Public Utilities	216.4	209.9	209.9	211.1	212.9	215.3	217.7	218.6	219.3	220.2	219.9	220.2	221.2
Transportation	125.3	120.2	120.2	121.5	123.0	124.9	126.2	126.2	126.9	128.3	128.1	128.6	129.4
Railroad Transportation	12.9	12.9	12.6	12.6	13.0	13.2	13.2	13.1	13.0	12.9	12.9	12.7	12.5
Trucking and Warehousing	75.2	72.2	72.7	73.3	73.9	74.7	75.3	75.6	76.0	76.7	76.6	77.1	78.1
Transportation by Air	13.2	12.8	12.8	12.9	12.8	12.9	13.1	13.0	13.3	13.5	13.5	13.6	13.8
Communications, Electric, Gas Services	91.1	89.7	89.7	89.7	89.9	90.5	91.5	92.4	92.5	92.0	91.8	91.6	91.8
Communications	48.0	47.4	47.5	47.4	47.5	47.7	47.9	48.4	48.4	48.5	48.4	48.3	48.5
Electric, Gas, and Sanitary Services	43.1	42.3	42.3	42.3	42.4	42.7	43.6	44.0	44.0	43.5	43.4	43.3	43.4
Wholesale Trade	261.0	258.2	258.5	260.4	259.5	261.0	263.1	263.7	262.9	261.2	261.7	261.2	260.9
Wholesale Trade-Durable Goods	164.8	163.9	164.3	165.5	164.8	165.4	166.2	166.6	165.8	164.7	164.3	163.5	163.0
Motor Vehicles, Parts, and Supplies	22.5	22.6	22.5	22.6	22.7	22.7	22.8	22.6	22.6	22.4	22.4	22.3	22.1
Professional and Commercial Equipment	31.9	31.4	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.1	32.0	31.9	31.9
Metals and Minerals, Except Petroleum	11.1	11.3	11.3	11.4	11.0	11.0	11.0	11.3	11.0	11.1	11.0	10.9	10.9
Electrical Goods	18.2	18.3	18.3	18.3	18.3	18.2	18.4	18.1	18.2	18.1	18.1	18.1	18.2
Hardware, Plumbing and Heating Equipment	12.5	12.3	12.3	12.4	12.5	12.6	12.6	12.8	12.7	12.6	12.5	12.6	12.6

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Machinery, Equipment, and Supplies	40.6	40.6	40.9	41.3	40.7	40.9	41.2	41.0	40.7	40.3	40.3	39.8	39.6
Wholesale Trade-Nondurable Goods	96.2	94.3	94.2	94.9	94.7	95.6	96.9	97.1	97.0	96.5	97.4	97.7	97.9
Groceries and Related Products	31.8	31.0	30.9	31.3	31.2	31.4	31.9	32.2	32.3	32.1	32.2	32.4	32.5
Retail Trade	900.1	868.9	864.6	877.8	885.8	898.7	908.0	906.9	911.1	910.3	908.3	922.1	939.1
Building Materials and Garden Supplies	34.0	31.1	31.1	32.7	34.4	36.1	36.5	35.4	35.1	34.8	33.6	33.6	33.9
Lumber and Other Building Materials	17.1	15.9	16.0	16.7	17.0	17.7	18.2	17.8	17.8	17.8	16.9	16.9	16.9
General Merchandise Stores	125.6	120.7	119.6	122.2	121.9	122.0	122.8	123.0	124.0	125.4	127.4	135.4	142.7
Department Stores	102.9	96.8	96.4	98.8	99.1	99.4	100.7	101.0	102.2	103.6	105.5	112.2	118.5
Variety Stores	12.3	13.7	13.5	13.6	13.0	12.6	12.0	11.9	11.6	11.4	11.2	11.5	11.5
Food Stores	139.2	136.4	135.5	136.4	137.4	138.8	140.3	140.4	140.2	139.5	139.7	141.5	144.2
Grocery Stores	123.0	120.8	120.0	120.5	121.7	122.7	123.9	124.0	124.0	123.4	123.4	124.9	126.3
Automotive Dealers and Service Stations	98.3	96.0	95.9	96.6	97.5	99.1	99.8	99.9	100.5	100.0	99.0	98.1	97.6
New and Used Car Dealers	43.3	43.1	43.0	43.4	43.5	43.8	43.9	43.7	43.8	43.6	43.1	42.7	42.4
Gasoline Service Stations	33.9	32.6	32.5	32.6	32.9	33.8	34.2	34.6	34.8	35.0	34.7	34.6	34.8
Apparel and Accessory Stores	49.1	47.2	45.8	46.4	46.4	47.0	47.4	47.9	49.8	50.8	51.2	53.5	56.1
Furniture and Homefurnishings Stores	31.1	31.4	31.0	31.1	31.0	30.8	30.8	30.9	30.9	30.8	30.9	31.5	32.1
Eating and Drinking Places	308.9	294.2	294.9	300.8	306.4	313.7	318.2	317.1	317.5	315.2	310.4	309.0	308.9
Miscellaneous Retail	113.9	111.9	110.7	111.5	110.7	111.3	112.1	112.4	113.0	113.8	116.0	119.5	123.7
Drug Stores and Proprietary Stores	30.9	29.6	29.6	29.7	30.1	30.2	30.6	31.0	31.1	31.4	31.9	32.3	32.8
Nonstore Retailers	21.4	21.5	21.7	21.7	20.8	20.8	21.1	20.8	20.9	21.1	21.6	22.2	22.6
Finance, Insurance, and Real Estate	252.4	247.9	248.3	249.8	249.4	251.2	254.3	255.5	256.0	255.1	253.6	253.6	254.2
Finance	119.8	118.0	118.2	119.0	118.5	119.1	120.2	120.5	120.9	120.7	120.4	120.7	121.2
Depository Institutions	90.5	89.7	89.6	90.1	89.6	90.1	91.1	91.1	91.2	90.9	90.6	90.6	91.1
Commercial Banks	63.3	62.1	62.1	62.7	62.6	62.9	63.8	63.9	64.0	63.9	63.7	63.7	64.1
Insurance	90.7	90.0	90.2	90.4	90.3	90.3	91.0	91.4	91.3	91.1	90.6	90.7	91.0
Insurance Carriers	69.5	69.3	69.4	69.4	69.4	69.4	69.8	70.0	70.0	69.9	69.1	69.3	69.5
Life Insurance	25.8	25.8	25.8	25.8	25.9	25.8	26.0	25.8	25.8	25.8	25.7	25.8	25.9
Fire, Marine, and Casualty Insurance	30.4	30.3	30.2	30.2	30.2	30.2	30.5	30.8	30.8	30.8	30.3	30.4	30.4
Real Estate	41.9	39.9	39.9	40.5	40.6	41.8	43.0	43.6	43.8	43.3	42.6	42.2	42.0
Services	1147.1	1092.4	1104.6	1118.2	1132.4	1144.4	1160.6	1165.7	1170.0	1178.1	1171.2	1164.5	1162.6
Hotels and Other Lodging Places	38.6	35.7	36.3	37.3	37.0	38.5	39.9	41.0	41.3	40.1	38.8	38.5	38.6
Personal Services	53.7	53.9	54.5	55.1	55.2	52.5	52.7	52.8	52.7	53.4	53.5	53.4	54.3
Business Services	205.0	192.6	194.1	197.7	198.5	201.4	203.9	209.0	211.9	213.8	213.0	212.2	211.5
Services to Buildings	32.0	30.4	31.1	31.4	31.8	32.2	32.2	32.3	32.8	32.6	32.6	32.2	32.3
Personnel Supply Services	71.0	63.4	63.9	66.5	67.8	69.4	70.3	73.3	74.8	76.6	76.0	75.3	74.2
Computer and Data Processing Services	25.3	24.1	24.3	24.6	24.8	25.1	25.2	25.9	25.9	25.9	25.9	26.1	26.3
Amusements, Including Motion Pictures	58.4	43.5	44.0	46.9	55.3	63.9	72.6	72.5	71.9	68.1	58.4	52.8	51.1

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Health Services	384.6	376.4	377.7	379.3	380.0	381.4	385.1	388.6	390.1	389.9	388.0	388.2	389.9
Nursing and Personal Care Facilities	83.0	81.5	81.8	82.1	82.1	82.6	83.3	83.7	84.1	84.0	83.4	83.5	83.7
Hospitals	187.2	184.5	184.8	185.4	185.8	186.1	187.7	189.5	189.9	189.4	187.7	187.6	187.9
Legal Services	28.4	27.7	27.8	28.0	27.8	28.1	29.0	29.1	29.1	28.7	28.5	28.5	28.6
Educational Services	62.6	63.0	68.1	66.9	66.5	62.9	56.1	50.4	49.2	61.8	68.9	69.8	67.4
Colleges and Universities	35.2	35.4	40.0	38.7	38.7	34.9	28.9	25.6	24.8	34.5	40.5	41.2	38.7
Social Services	73.7	70.8	71.4	71.9	71.9	72.6	72.9	73.0	73.7	75.3	76.2	76.6	77.8
Residential Care	22.1	21.4	21.5	21.7	21.7	21.8	22.0	22.5	22.6	22.4	22.4	22.4	22.7
Membership Organizations	77.9	75.7	76.4	77.1	77.7	78.2	79.7	79.1	79.7	78.0	77.8	77.4	77.8
Engineering and Management Services	86.4	83.8	84.9	85.2	84.8	84.6	85.9	87.2	87.8	87.7	87.9	88.1	89.0
Engineering and Architectural Services	26.4	25.2	25.3	25.4	25.6	25.9	26.5	26.8	27.0	27.0	27.1	27.1	27.5
Accounting, Auditing, and Bookkeeping	21.2	21.5	22.0	21.9	21.6	20.8	20.8	20.9	20.9	20.9	21.1	21.1	21.3
Research and Testing Services	19.0	18.3	18.4	18.5	18.5	18.7	19.1	19.3	19.5	19.2	19.3	19.5	19.5
Management and Public Relations	19.8	18.8	19.1	19.4	19.1	19.1	19.5	20.2	20.4	20.6	20.4	20.5	20.6
Government	706.4	702.0	713.2	720.3	716.8	724.5	707.0	664.7	655.5	693.8	721.2	726.7	730.9
Federal Government	96.8	95.5	95.3	95.5	96.4	97.0	97.9	97.7	98.3	97.2	96.7	96.3	97.6
U.S. Postal Service	34.6	35.1	34.9	34.9	34.9	34.8	34.9	34.6	34.4	34.3	34.1	34.1	34.7
State Government	157.9	156.4	160.3	165.9	165.2	164.3	154.1	140.7	138.7	149.4	164.7	166.5	169.2
State Government Hospitals	15.8	15.5	15.6	15.6	15.6	15.6	15.7	15.9	15.9	15.9	16.0	15.9	16.1
State Government Education[e]	82.2	82.6	86.5	91.0	89.6	88.9	77.1	62.3	61.1	73.1	89.6	91.6	93.5
Local Government	451.7	450.1	457.6	459.0	455.2	463.2	455.1	426.3	418.5	447.2	459.8	463.9	464.1
Local Government Hospitals	14.1	14.4	14.3	14.3	12.1[f]	14.3	14.3	14.3	14.3	14.3	14.2	14.2	14.2
Local Government Education	261.7	266.3	273.8	274.5	271.7	274.5	256.2	225.3	219.4	257.2	271.2	275.2	275.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-0 (1989)

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$13.14	$12.67	$12.80	$12.97	$12.91	$13.15	$13.21	$13.16	$13.21	$13.41	$13.39	$13.39	$13.35
Mining	14.00	14.05	13.88	13.94	13.99	14.05	14.00	13.85	13.93	14.04	14.25	14.09	13.91
Coal Mining	17.03	16.89	16.77	16.98	17.00	17.00	17.05	16.97	17.03	17.16	17.43	17.11	17.03
Construction	15.86	15.60	15.58	15.81	15.52	15.76	15.68	15.92	15.84	16.00	16.10	16.16	16.13
General Building Contractors	13.82	13.90	13.68	13.69	13.55	13.75	13.73	13.78	13.75	13.91	13.81	14.11	14.14
Heavy Construction, Except Building	16.29	15.15	14.87	15.25	15.56	16.14	16.28	16.20	16.51	17.06	16.93	17.12	16.43
Special Trade Contractors	16.40	16.24	16.32	16.58	16.14	16.30	16.16	16.51	16.31	16.38	16.58	16.59	16.67
Manufacturing	12.64	12.19	12.38	12.51	12.46	12.67	12.74	12.61	12.66	12.89	12.85	12.83	12.84
Durable Goods[b]	13.03	12.45	12.71	12.87	12.81	13.06	13.16	12.98	13.05	13.36	13.32	13.25	13.26
Lumber and Wood Products	8.13	8.23	8.11	8.24	8.15	8.13	8.09	8.05	8.14	8.09	8.08	8.14	8.15
Millwork, Plywood and Structural Members	8.75	8.58	8.38	8.75	8.82	8.76	8.73	8.73	8.82	8.79	8.84	8.85	8.92
Furniture and Fixtures	9.40	9.27	9.33	9.22	9.14	9.26	9.26	9.35	9.56	9.59	9.54	9.58	9.68
Stone, Clay, and Glass Products	11.51	11.33	11.30	11.38	11.48	11.53	11.53	11.52	11.57	11.66	11.61	11.59	11.65
Primary Metal Industries	14.55	14.04	14.12	14.32	14.53	14.64	14.77	14.48	14.57	14.95	14.81	14.72	14.57
Blast Furnace and Basic Steel Products	14.63	14.36	14.32	14.40	14.55	14.59	14.66	14.48	14.65	14.98	14.87	14.92	14.73
Iron and Steel Foundries	15.55	14.57	14.76	15.34	15.91	15.95	16.12	15.37	15.40	16.11	16.00	15.63	15.27
Nonferrous Rolling and Drawing	16.25	15.55	15.69	15.92	15.99	16.36	16.69	16.46	16.49	16.67	16.24	16.37	16.48
Nonferrous Foundries	10.67	10.46	10.51	10.61	10.51	10.78	10.78	10.80	10.72	10.73	10.80	10.66	10.70
Fabricated Metal Products	12.38	11.86	12.15	12.17	12.01	12.36	12.44	12.27	12.44	12.71	12.75	12.64	12.68
Fabricated Structural Metal Products	11.26	10.98	11.01	10.98	10.98	11.45	11.39	11.18	11.35	11.48	11.46	11.57	11.16
Metal Forgings and Stampings	15.19	14.37	14.85	14.91	14.61	15.02	15.18	14.90	15.20	15.74	15.87	15.67	15.80
Industrial Machinery and Equipment	12.58	12.21	12.29	12.37	12.25	12.59	12.62	12.61	12.67	12.87	12.84	12.83	12.80
Construction and Related Machinery	11.32	11.19	11.38	11.26	11.17	11.53	11.46	11.33	11.30	11.34	11.27	11.20	11.37
Metalworking Machinery	12.05	11.88	11.95	11.96	11.89	12.08	12.09	11.98	12.02	12.17	12.18	12.21	12.21
Special Industry Machinery	11.87	11.91	11.97	11.89	11.54	11.77	11.82	11.66	11.92	11.99	11.76	12.07	12.15
General Industrial Machinery	13.86	12.79	13.24	13.52	13.16	13.89	14.02	14.08	14.02	14.46	14.56	14.35	13.93
Computer and Office Equipment	11.37	11.13	11.09	11.22	11.42	11.18	11.45	11.42	11.45	11.29	11.51	11.58	11.78
Refrigeration and Service Machinery	14.34	13.76	13.65	13.83	13.87	14.40	14.31	14.28	14.44	15.18	14.99	14.69	14.76
Electronic and Other Electric Equipment	11.32	11.04	11.20	11.17	11.00	11.22	11.24	11.28	11.40	11.54	11.53	11.59	11.63
Electrical Industrial Apparatus	10.72	10.51	10.56	10.61	10.36	10.71	10.76	10.89	10.81	10.95	10.85	10.79	10.87
Household Appliances	12.15	12.11	12.34	12.07	11.91	12.05	12.09	12.08	12.16	12.32	12.26	12.22	12.22
Electric Lighting and Wiring Equipment	12.07	11.27	11.81	12.04	11.83	12.06	12.06	11.97	12.37	12.48	12.35	12.41	12.18
Electronic Components and Accessories	8.30	8.25	8.17	8.12	8.03	8.30	8.28	8.37	8.16	8.45	8.43	8.54	8.51
Transportation Equipment	16.37	15.56	15.74	16.18	16.04	16.35	16.60	16.35	16.28	16.83	16.79	16.77	16.85
Motor Vehicles and Equipment	16.86	16.02	16.10	16.63	16.49	16.84	17.14	16.86	16.74	17.40	17.33	17.28	17.32
Aircraft and Parts	15.21	14.77	15.07	15.08	14.95	15.03	14.99	15.14	15.25	15.31	15.43	15.77	15.73
Instruments and Related Products	9.81	9.58	9.61	9.75	9.60	9.71	9.78	9.82	9.90	10.01	9.90	10.02	10.05
Measuring and Controlling Devices	9.77	9.55	9.52	9.67	9.60	9.63	9.66	9.82	9.85	10.04	9.90	9.98	10.09
Nondurable Goods[c]	11.76	11.62	11.59	11.66	11.66	11.74	11.78	11.77	11.76	11.84	11.80	11.90	11.93
Food and Kindred Products	11.33	11.32	11.11	11.15	11.03	11.24	11.37	11.35	11.43	11.35	11.24	11.57	11.73
Dairy Products	11.34	11.32	11.36	11.29	11.25	11.28	11.29	11.26	11.30	11.43	11.38	11.37	11.56
Preserved Fruits and Vegetables	12.08	12.11	11.91	11.85	11.62	11.99	12.18	11.96	12.40	11.71	11.68	12.62	12.99
Bakery Products	12.40	12.36	12.34	12.35	12.33	12.39	12.41	12.45	12.32	12.46	12.31	12.51	12.62
Apparel and Other Textile Products	7.95	7.95	7.81	7.98	8.04	7.97	7.87	7.81	7.76	8.18	8.10	7.98	7.96
Paper and Allied Products	11.76	11.62	11.55	11.61	11.62	11.68	11.69	11.77	11.76	11.89	11.91	11.94	12.04
Paperboard Containers and Boxes	10.50	10.41	10.23	10.31	10.19	10.53	10.55	10.56	10.52	10.77	10.66	10.60	10.58

See footnotes at end of table.

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$10.99	$10.57	$10.75	$10.92	$10.53	$10.87	$10.92	$11.05	$11.11	$11.09	$11.31	$11.32	$11.38
Printing and Publishing	11.89	11.75	11.81	11.84	11.69	11.82	11.81	11.86	11.86	12.04	12.05	12.06	12.10
Newspapers	11.45	11.53	11.45	11.68	11.34	11.45	11.28	11.32	11.30	11.34	11.51	11.56	11.59
Commercial Printing	11.63	11.42	11.58	11.64	11.35	11.45	11.55	11.59	11.55	11.86	11.80	11.84	11.82
Chemicals and Allied Products	14.15	14.01	13.86	14.07	14.13	14.13	14.19	14.13	14.18	14.24	14.26	14.30	14.26
Plastics Materials and Synthetics	15.51	15.42	15.20	15.40	15.70	15.32	15.19	15.26	15.52	15.79	15.94	15.72	15.65
Rubber and Miscellaneous Plastics Products	10.85	10.63	10.75	10.75	10.70	10.92	10.96	10.97	10.87	10.99	10.94	10.88	10.81
Tires and Inner Tubes	16.03	15.76	15.85	15.89	15.46	16.27	16.08	16.10	16.19	16.18	16.08	16.24	16.26
Miscellaneous Plastics Products	10.52	10.27	10.42	10.42	10.47	10.58	10.68	10.68	10.56	10.68	10.62	10.47	10.41
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.93	14.61	14.84	14.72	14.90	14.78	14.85	14.98	14.91	15.13	15.08	15.18	15.22
Communications	14.36	14.07	14.18	14.09	14.32	14.16	14.31	14.36	14.35	14.48	14.45	14.67	14.82
Electric, Gas, and Sanitary Services	15.54	15.17	15.51	15.36	15.50	15.43	15.41	15.63	15.50	15.82	15.75	15.74	15.69
Wholesale Trade	10.67	10.49	10.54	10.55	10.56	10.61	10.66	10.67	10.72	10.77	10.78	10.80	10.83
Wholesale Trade-Durable Goods	10.53	10.33	10.37	10.40	10.41	10.49	10.55	10.54	10.60	10.65	10.69	10.67	10.70
Motor Vehicles, Parts, and Supplies	9.32	9.23	9.28	9.38	9.42	9.40	9.53	9.43	9.27	9.24	9.28	9.21	9.22
Metals and Minerals, Except Petroleum	11.29	11.35	11.42	11.31	11.20	11.22	11.36	11.34	11.18	11.25	11.30	11.25	11.34
Wholesale Trade-Nondurable Goods	10.89	10.77	10.83	10.81	10.81	10.83	10.85	10.88	10.93	10.99	10.93	11.01	11.05
Retail Trade[d]	6.39	6.30	6.32	6.33	6.36	6.35	6.36	6.36	6.39	6.44	6.46	6.51	6.51
General Merchandise Stores	6.79	6.67	6.70	6.74	6.71	6.72	6.78	6.79	6.79	6.87	6.89	6.85	6.90
Department Stores	6.90	6.80	6.84	6.86	6.81	6.82	6.91	6.90	6.90	6.99	7.01	6.98	7.00
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Business Services	7.52	7.21	7.30	7.24	7.39	7.35	7.43	7.52	7.61	7.63	7.70	7.82	7.89
Health Services	9.94	9.83	9.79	9.80	9.83	9.86	9.91	9.98	9.97	10.04	10.10	10.09	10.11
Nursing and Personal Care Facilities	6.68	6.51	6.53	6.53	6.58	6.59	6.64	6.73	6.69	6.81	6.80	6.87	6.88
Hospitals	11.42	11.33	11.26	11.26	11.32	11.34	11.40	11.48	11.44	11.53	11.56	11.52	11.54
Engineering and Management Services	13.72	13.50	13.71	13.73	13.98	13.70	13.65	13.70	13.66	13.72	13.71	13.72	13.85
Engineering and Architectural Services	20.44	20.42	20.70	20.88	21.00	20.58	20.34	20.48	20.27	20.47	20.01	20.02	20.22
Research and Testing Services	10.67	10.50	10.52	10.52	10.56	10.55	10.62	10.83	10.80	10.78	10.64	10.72	10.94

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-0 (1990)

Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	42.0	41.6	41.5	41.9	40.9	42.3	42.5	41.7	42.1	42.7	42.0	42.4	41.9
Mining	44.6	45.8	44.3	45.1	44.0	44.7	45.3	43.8	44.8	44.6	45.7	44.5	42.7
Coal Mining	44.0	46.9	45.4	45.0	44.5	43.8	43.6	41.7	42.7	42.4	45.5	43.6	42.6
Construction	39.4	38.9	38.3	39.4	37.8	39.6	39.6	38.7	40.4	40.3	38.8	40.7	39.9
General Building Contractors	40.1	39.9	40.1	40.5	38.9	40.8	40.7	39.5	40.0	41.1	38.8	40.7	40.4
Heavy Construction, Except Building	40.1	38.2	36.3	37.3	36.0	39.6	41.1	38.3	43.4	43.5	40.2	42.5	41.0
Special Trade Contractors	39.0	38.7	38.0	39.4	37.7	39.2	39.0	38.6	39.9	39.3	38.5	40.3	39.6
Manufacturing	42.4	42.0	41.9	42.3	41.5	42.8	43.0	42.2	42.4	43.2	42.6	42.7	42.3
Durable Goods[b]	42.7	42.1	42.2	42.6	41.7	43.2	43.4	42.4	42.6	43.5	42.9	42.9	42.4
Lumber and Wood Products	38.9	39.2	38.6	39.7	38.2	38.3	38.6	38.7	39.1	38.7	38.5	39.4	39.3
Millwork, Plywood and Structural Members	41.5	41.2	40.6	41.9	40.8	40.5	41.1	41.2	41.9	41.7	41.6	42.4	42.7
Furniture and Fixtures	41.7	40.8	41.5	41.0	39.9	41.1	41.7	41.5	43.0	42.7	42.0	42.6	43.2
Stone, Clay, and Glass Products	42.6	41.8	42.2	42.6	43.1	43.0	43.2	42.8	42.8	43.0	42.4	42.0	41.8
Primary Metal Industries	44.3	43.1	42.6	43.2	43.8	44.9	45.5	44.5	44.6	45.8	45.0	44.9	44.2
Blast Furnace and Basic Steel Products	45.5	43.3	43.1	43.2	44.8	45.5	46.3	46.0	46.0	47.3	46.6	47.3	46.9
Iron and Steel Foundries	44.0	43.6	42.4	44.5	44.1	45.2	45.9	42.9	43.9	46.3	45.1	43.0	41.4
Nonferrous Rolling and Drawing	41.3	40.8	40.2	40.1	41.4	42.8	42.7	41.9	41.2	43.0	41.3	40.4	39.9
Nonferrous Foundries	43.8	43.7	42.8	44.4	42.2	44.9	45.6	44.1	44.3	43.6	43.2	43.8	43.4
Fabricated Metal Products	42.0	41.3	41.6	42.1	41.1	43.0	42.9	41.3	42.2	42.8	42.3	42.0	41.2
Fabricated Structural Metal Products	42.6	41.6	41.5	42.1	41.3	44.2	43.3	42.0	43.0	43.1	43.3	44.3	41.6
Metal Forgings and Stampings	42.6	40.6	42.1	42.7	41.3	44.1	44.2	41.8	43.1	44.2	43.0	42.1	41.4
Industrial Machinery and Equipment	43.2	42.6	43.3	43.3	41.6	43.5	43.5	42.8	43.1	43.7	43.5	43.6	43.4
Construction and Related Machinery	40.2	41.6	41.4	39.9	39.3	40.1	40.4	39.1	39.4	40.1	40.2	40.1	40.2
Metalworking Machinery	43.8	43.6	44.4	44.4	42.5	43.9	44.2	43.1	43.8	43.9	44.1	44.3	43.5
Special Industry Machinery	43.8	43.9	44.0	44.2	42.2	43.8	44.4	43.0	43.7	44.3	43.4	44.6	44.5
General Industrial Machinery	44.1	41.0	42.1	43.0	40.7	44.4	45.0	44.8	44.5	46.4	46.2	46.2	44.9
Computer and Office Equipment	41.8	41.3	41.7	42.3	43.0	41.1	41.9	41.8	41.9	41.2	40.9	42.4	41.9
Refrigeration and Service Machinery	40.9	39.2	39.9	40.0	40.0	42.6	41.6	41.9	41.0	42.9	41.5	39.7	40.9
Electronic and Other Electric Equipment	41.0	41.6	41.5	41.0	39.8	40.7	40.8	40.5	40.8	41.4	41.0	41.4	41.7
Electrical Industrial Apparatus	42.1	43.2	42.4	42.1	40.2	41.5	42.2	43.0	41.7	42.9	42.1	41.8	42.5
Household Appliances	40.0	41.0	41.8	40.3	39.6	39.6	39.5	39.1	40.0	40.3	39.6	39.0	39.7
Electric Lighting and Wiring Equipment	40.0	40.6	40.0	41.0	39.0	39.9	39.9	39.4	40.4	40.3	40.1	40.0	39.0
Electronic Components and Accessories	41.1	41.1	41.5	40.8	40.2	41.1	41.7	40.5	40.5	41.9	40.7	41.7	41.5
Transportation Equipment	44.1	43.1	43.4	44.4	43.1	45.4	45.7	44.2	43.4	45.6	44.1	43.9	42.5
Motor Vehicles and Equipment	44.3	43.1	43.5	44.8	43.5	46.1	46.5	44.5	43.4	45.9	44.1	43.6	41.9
Aircraft and Parts	44.4	44.0	44.8	44.4	42.4	44.0	44.2	44.3	43.9	44.8	44.6	46.0	45.8
Instruments and Related Products	40.0	40.1	39.3	40.1	38.7	39.7	39.9	40.2	40.0	40.1	39.6	40.9	41.2
Measuring and Controlling Devices	39.0	39.6	38.9	39.4	37.9	38.8	38.7	39.4	38.3	38.9	38.4	39.0	40.3
Nondurable Goods[c]	41.9	41.8	41.3	41.5	41.0	42.0	42.2	41.8	42.0	42.6	42.1	42.3	42.0
Food and Kindred Products	42.1	42.1	40.9	41.1	40.4	41.8	41.9	41.9	42.5	43.4	42.3	43.3	43.3
Dairy Products	43.1	43.7	43.3	43.3	42.4	43.1	42.9	43.3	43.0	43.4	43.2	42.4	43.0
Preserved Fruits and Vegetables	41.8	42.3	41.0	40.0	39.0	40.1	40.6	39.5	43.2	44.9	41.9	44.2	44.6
Bakery Products	40.3	39.2	39.2	39.8	39.2	40.7	40.3	40.6	40.4	40.8	40.6	41.5	41.0
Apparel and Other Textile Products	39.3	38.0	38.1	38.5	37.9	39.7	38.3	39.1	39.7	42.1	41.4	40.1	39.1
Paper and Allied Products	44.2	44.3	43.5	43.5	42.5	44.1	44.3	44.6	44.4	45.2	44.8	45.0	44.1
Paperboard Containers and Boxes	43.6	43.2	42.1	42.2	40.5	43.9	44.3	44.6	44.2	45.6	45.0	44.4	42.9

See footnotes at end of table.

Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	43.9	44.4	44.4	44.7	40.6	43.3	43.7	43.8	44.1	44.1	44.4	45.3	44.1
Printing and Publishing	40.0	40.0	39.9	39.9	39.2	39.4	39.6	39.6	39.8	40.5	40.2	40.7	40.8
Newspapers	33.5	33.7	33.3	34.2	33.2	33.5	33.3	33.0	33.4	33.2	33.4	34.1	33.4
Commercial Printing	41.6	41.5	41.7	41.4	40.3	40.1	40.8	40.7	41.2	43.1	42.4	42.8	43.2
Chemicals and Allied Products	43.1	43.0	42.3	43.1	43.2	43.1	43.8	42.8	43.2	43.2	43.0	43.1	43.1
Plastics Materials and Synthetics	43.9	43.6	43.6	43.7	45.0	43.9	43.7	43.5	43.5	43.8	44.8	43.6	43.6
Rubber and Miscellaneous Plastics Products	41.6	41.6	41.2	41.5	40.6	42.2	42.7	41.8	41.6	42.0	41.7	41.0	41.0
Tires and Inner Tubes	44.5	45.0	45.4	45.5	42.4	47.6	46.1	45.0	44.0	44.3	42.8	43.1	43.1
Miscellaneous Plastics Products	41.2	41.0	40.7	41.0	40.5	41.7	42.4	41.4	41.3	41.6	41.4	40.4	40.7
Service-Producing Industries	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	42.0	42.1	42.1	42.0	41.9	41.7	42.0	42.0	41.6	42.1	41.8	42.5	42.3
Communications	40.1	39.9	39.4	39.5	39.7	39.5	40.0	40.3	39.9	40.3	39.9	41.3	42.0
Electric, Gas, and Sanitary Services	44.2	44.7	45.3	44.9	44.4	44.3	44.2	44.0	43.5	44.3	44.0	43.9	42.7
Wholesale Trade	39.1	39.1	39.0	39.1	39.0	39.2	39.0	39.1	39.1	39.2	39.1	39.3	39.2
Wholesale Trade-Durable Goods	39.2	39.1	39.1	39.3	39.0	39.2	39.0	39.2	39.3	39.3	39.1	39.2	39.1
Motor Vehicles, Parts, and Supplies	38.0	38.8	38.0	37.7	37.2	37.6	37.9	38.1	37.3	37.8	38.0	38.2	38.9
Metals and Minerals, Except Petroleum	41.8	41.8	42.2	42.2	41.0	42.1	41.2	41.1	42.4	42.2	41.6	42.5	40.9
Wholesale Trade-Nondurable Goods	39.1	39.1	38.9	38.7	39.1	39.1	39.1	39.0	38.8	39.0	39.1	39.4	39.4
Retail Trade	28.0	27.6	27.5	27.6	28.0	28.1	28.2	28.4	28.2	28.0	27.7	27.6	28.5
General Merchandise Stores	28.6	28.2	27.6	28.0	28.3	28.6	28.4	28.8	28.7	28.5	28.4	28.0	31.2
Department Stores	28.7	28.2	27.6	28.2	28.3	28.7	28.5	29.1	28.8	28.6	28.4	28.0	31.6
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Business Services	32.9	32.2	32.4	32.7	32.2	32.8	33.1	32.9	33.0	33.0	33.2	33.3	33.3
Health Services	31.7	31.8	31.4	31.6	31.7	31.6	31.7	31.9	31.8	31.8	31.8	31.9	31.8
Nursing and Personal Care Facilities	31.8	31.7	31.3	31.7	31.8	31.6	31.9	32.1	31.9	31.9	31.8	32.1	32.3
Hospitals	32.5	32.7	32.2	32.4	32.4	32.2	32.4	32.7	32.6	32.5	32.6	32.7	32.5
Engineering and Management Services	35.6	35.4	35.8	36.1	35.9	35.4	35.2	35.4	35.3	35.2	36.0	35.8	35.8
Engineering and Architectural Services	33.4	32.6	32.9	33.3	32.9	33.2	33.1	32.6	32.7	32.5	35.1	35.0	34.7
Research and Testing Services	36.4	36.2	36.9	37.0	36.1	35.6	35.6	36.7	37.3	36.4	36.3	36.0	36.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-0 (1990)

Ohio

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$551.88	$527.07	$531.20	$543.44	$528.02	$556.25	$561.43	$548.77	$556.14	$572.61	$562.38	$567.74	$559.37
Mining	624.40	643.49	614.88	628.69	615.56	628.04	634.20	606.63	624.06	626.18	651.23	627.01	593.96
Coal Mining	749.32	792.14	761.36	764.10	756.50	744.60	743.38	707.65	727.18	727.58	793.07	746.00	725.48
Construction	624.88	606.84	596.71	622.91	586.66	624.10	620.93	616.10	639.94	644.80	624.68	657.71	643.59
General Building Contractors	554.18	554.61	548.57	554.45	527.10	561.00	558.81	544.31	550.00	571.70	535.83	574.28	571.26
Heavy Construction, Except Building	653.23	578.73	539.78	568.83	560.16	639.14	669.11	620.46	716.53	742.11	680.59	727.60	673.63
Special Trade Contractors	639.60	628.49	620.16	653.25	608.48	638.96	630.24	637.29	650.77	643.73	638.33	668.58	660.13
Manufacturing	535.94	511.98	518.72	529.17	517.09	542.28	547.82	532.14	536.78	556.85	547.41	547.84	543.13
Durable Goods[b]	556.38	524.15	536.36	548.26	534.18	564.19	571.14	550.35	555.93	581.16	571.43	568.43	562.22
Lumber and Wood Products	316.26	322.62	313.05	327.13	311.33	311.38	312.27	311.54	318.27	313.08	311.08	320.72	320.30
Millwork, Plywood and Structural Members	363.13	353.50	340.23	366.63	359.86	354.78	358.80	359.68	369.56	366.54	367.74	375.24	380.88
Furniture and Fixtures	391.98	378.22	387.20	378.02	364.69	380.59	386.14	388.03	411.08	409.49	400.68	408.11	418.18
Stone, Clay, and Glass Products	490.33	473.59	476.86	484.79	494.79	495.79	498.10	493.06	495.20	501.38	492.26	486.78	486.97
Primary Metal Industries	644.57	605.12	601.51	618.62	636.41	657.34	672.04	644.36	649.82	684.71	666.45	660.93	643.39
Blast Furnace and Basic Steel Products	665.67	621.79	617.19	622.08	651.84	663.85	678.76	666.08	673.90	708.55	692.94	705.72	690.84
Iron and Steel Foundries	684.20	635.25	625.82	682.63	701.63	720.94	739.91	659.37	676.06	745.89	721.60	672.09	632.18
Nonferrous Rolling and Drawing	671.13	634.44	630.74	638.39	661.99	700.21	712.66	689.67	679.39	716.81	670.71	661.35	657.55
Nonferrous Foundries	467.35	457.10	449.83	471.08	443.52	484.02	491.57	476.28	474.90	467.83	466.56	466.91	464.38
Fabricated Metal Products	519.96	489.82	505.44	512.36	493.61	531.48	533.08	506.75	524.97	543.99	539.33	530.88	522.42
Fabricated Structural Metal Products	479.68	456.77	456.92	462.26	453.47	506.09	493.19	469.56	488.05	494.79	496.22	512.55	464.26
Metal Forgings and Stampings	647.09	583.42	625.19	636.66	603.39	662.38	670.96	622.82	655.12	695.71	682.41	659.71	654.12
Industrial Machinery and Equipment	543.46	520.15	532.16	535.62	509.60	547.67	548.97	539.71	546.08	562.42	558.54	559.39	555.52
Construction and Related Machinery	455.06	465.50	471.13	449.27	438.98	462.35	462.98	443.00	445.22	454.73	453.05	449.12	457.07
Metalworking Machinery	527.79	517.97	530.58	531.02	505.33	530.31	534.38	516.34	526.48	534.26	537.14	540.90	531.14
Special Industry Machinery	519.91	522.85	526.68	525.54	486.99	515.53	524.81	501.38	520.90	531.16	510.38	538.32	540.68
General Industrial Machinery	611.23	524.39	557.40	581.36	535.61	616.72	630.90	630.78	623.89	670.94	672.67	662.97	625.46
Computer and Office Equipment	475.27	459.67	462.45	474.61	491.06	459.50	479.76	477.36	479.76	465.15	470.76	490.99	493.58
Refrigeration and Service Machinery	586.51	539.39	544.64	553.20	554.80	613.44	595.30	598.33	592.04	651.22	622.09	583.19	603.68
Electronic and Other Electric Equipment	464.12	459.26	464.80	457.97	437.80	456.65	458.59	456.84	465.12	477.76	472.73	479.83	484.97
Electrical Industrial Apparatus	451.31	454.03	447.74	446.68	416.47	444.47	454.07	468.27	450.78	469.76	456.79	451.02	461.98
Household Appliances	486.00	496.51	515.81	486.42	471.64	477.18	477.56	472.33	486.40	496.50	485.50	476.58	485.13
Electric Lighting and Wiring Equipment	482.80	457.56	472.40	493.64	461.37	481.19	481.19	471.62	499.75	502.94	495.24	496.40	475.02
Electronic Components and Accessories	341.13	339.08	339.06	331.30	322.81	341.13	345.28	338.99	330.48	354.06	343.10	356.12	353.17
Transportation Equipment	721.92	670.64	683.12	718.39	691.32	742.29	758.62	722.67	706.55	767.45	740.44	736.20	716.13
Motor Vehicles and Equipment	746.90	690.46	700.35	745.02	717.32	776.32	797.01	750.27	726.52	798.66	764.25	753.41	725.71
Aircraft and Parts	675.32	649.88	675.14	669.55	633.88	661.32	662.56	670.70	669.48	685.89	688.18	725.42	720.43
Instruments and Related Products	392.40	384.16	377.67	390.98	371.52	385.49	390.22	394.76	396.00	401.40	392.04	409.82	414.06
Measuring and Controlling Devices	381.03	378.18	370.33	381.00	363.84	373.64	373.84	386.91	377.26	390.56	380.16	389.22	406.63
Nondurable Goods[c]	492.74	485.72	478.67	483.89	478.06	493.08	497.12	491.99	493.92	504.38	496.78	503.37	501.06
Food and Kindred Products	476.99	476.57	454.40	458.27	445.61	469.83	476.40	475.57	485.78	492.59	475.45	500.98	507.91
Dairy Products	488.75	494.68	491.89	488.86	477.00	486.17	484.34	487.56	485.90	496.06	491.62	482.09	497.08
Preserved Fruits and Vegetables	504.94	512.25	488.31	474.00	453.18	480.80	494.51	472.42	535.68	525.78	489.39	557.80	579.35
Bakery Products	499.72	484.51	483.73	491.53	483.34	504.27	500.12	505.47	497.73	508.37	499.79	519.17	517.42
Apparel and Other Textile Products	312.44	302.10	297.56	307.23	304.72	316.41	301.42	305.37	308.07	344.38	335.34	320.00	311.24
Paper and Allied Products	519.79	514.77	502.43	505.04	493.85	515.09	517.87	524.94	522.14	537.43	533.57	537.30	530.96
Paperboard Containers and Boxes	457.80	449.71	430.68	435.08	412.70	462.27	467.37	470.98	464.98	491.11	479.70	470.64	453.88

See footnotes at end of table.

Ohio

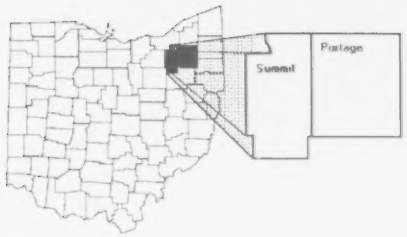
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$482.46	$469.31	$477.30	$488.12	$427.52	$470.67	$477.20	$483.99	$489.95	$489.07	$502.16	$512.80	$501.86
Printing and Publishing	475.60	470.00	471.22	472.42	458.25	465.71	467.68	469.66	472.03	487.62	484.41	490.84	493.68
Newspapers	383.58	388.56	381.29	399.46	376.49	383.58	375.62	373.56	377.42	376.49	384.43	394.20	387.11
Commercial Printing	483.81	473.93	482.89	481.90	457.41	459.15	471.24	471.71	475.86	511.17	500.32	506.75	510.62
Chemicals and Allied Products	609.87	602.43	586.28	606.42	610.42	609.00	621.52	604.76	612.58	615.17	613.18	616.33	614.61
Plastics Materials and Synthetics	680.89	672.31	662.72	672.98	706.50	672.55	663.80	663.81	675.12	691.60	714.11	685.39	682.34
Rubber and Miscellaneous Plastics Products	451.36	442.21	442.90	446.13	434.42	460.82	467.99	458.55	452.19	461.58	456.20	446.08	443.21
Tires and Inner Tubes	713.34	709.20	719.59	723.00	655.50	774.45	741.29	724.50	712.36	716.77	688.22	699.94	700.81
Miscellaneous Plastics Products	433.42	421.07	424.09	427.22	424.04	441.19	452.83	442.15	436.13	444.29	439.67	422.99	423.69
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	627.06	615.08	624.76	618.24	624.31	616.33	623.70	629.16	620.26	636.97	630.34	645.15	643.81
Communications	575.84	561.39	558.69	556.56	568.50	559.32	572.40	578.71	572.57	583.54	576.56	605.87	622.44
Electric, Gas, and Sanitary Services	686.87	678.10	702.60	689.66	688.20	683.55	681.12	687.72	674.25	700.83	693.00	690.99	669.96
Wholesale Trade	417.20	410.16	411.06	412.51	411.84	415.91	415.74	417.20	419.15	422.18	421.50	424.44	424.54
Wholesale Trade-Durable Goods	412.78	403.90	405.47	408.72	405.99	411.21	411.45	413.17	416.58	418.55	417.98	418.26	418.37
Motor Vehicles, Parts, and Supplies	354.16	358.12	352.64	353.63	350.42	353.44	361.19	359.28	345.77	349.27	352.64	351.82	358.66
Metals and Minerals, Except Petroleum	471.92	474.43	481.92	477.28	459.20	472.36	468.03	466.07	474.03	474.75	470.08	478.13	463.81
Wholesale Trade-Nondurable Goods	425.80	421.11	421.29	418.35	422.67	423.45	424.24	424.32	424.08	428.61	427.36	433.79	435.37
Retail Trade[d]	178.92	173.88	173.80	174.71	178.08	178.44	179.35	180.62	180.20	180.32	178.94	179.68	185.54
General Merchandise Stores	194.19	188.09	184.92	188.72	189.89	192.19	192.55	195.55	194.87	195.80	195.68	191.80	215.28
Department Stores	198.03	191.76	188.78	193.45	192.72	195.73	196.94	200.79	198.72	199.91	199.08	195.44	221.20
Finance, Insurance, and Real Estate	351.94	347.53	352.64	351.87	353.02	352.67	350.81	350.02	350.07	351.03	352.72	354.35	356.38
Finance	325.35	323.09	325.81	327.16	326.51	325.28	324.40	324.11	323.64	323.80	325.08	325.71	329.67
Depository Institutions	277.57	278.28	279.61	280.40	279.42	277.74	277.00	276.85	275.87	275.84	275.90	275.92	278.05
Commercial Banks	273.40	277.10	278.05	277.42	276.89	274.23	273.15	271.75	270.67	269.87	270.48	269.28	272.10
Insurance	418.22	410.14	417.21	415.12	417.87	419.52	418.39	418.39	417.21	418.62	419.94	421.31	424.77
Insurance Carriers	406.17	400.39	402.64	402.03	406.28	407.07	407.06	406.24	404.00	407.91	407.63	409.96	412.78
Life Insurance	377.21	369.57	370.75	368.63	381.98	383.56	384.54	379.74	374.96	376.86	375.63	377.51	382.44
Fire, Marine, and Casualty Insurance	438.08	429.15	435.58	436.09	435.29	435.56	434.54	435.73	437.14	440.45	442.21	446.19	449.05
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Business Services	247.41	232.16	236.52	236.75	237.96	241.08	245.93	247.41	251.13	251.79	255.64	260.41	262.74
Health Services	315.10	312.59	307.41	309.68	311.61	311.58	314.15	318.36	317.05	319.27	321.18	321.87	321.50
Nursing and Personal Care Facilities	212.42	206.37	204.39	207.00	209.24	208.24	211.82	216.03	213.41	217.24	216.24	220.53	222.22
Hospitals	371.15	370.49	362.57	364.82	366.77	365.15	369.36	375.40	372.94	374.73	376.86	376.70	375.05
Engineering and Management Services	488.43	477.90	490.82	495.65	501.88	484.98	480.48	484.98	482.20	482.94	493.56	491.18	495.83
Engineering and Architectural Services	682.70	665.69	681.03	695.30	690.90	683.26	673.25	667.65	662.83	665.28	702.35	700.70	701.63
Research and Testing Services	388.39	380.10	388.19	389.24	381.22	375.58	378.07	397.46	402.84	392.39	386.23	385.92	396.03

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

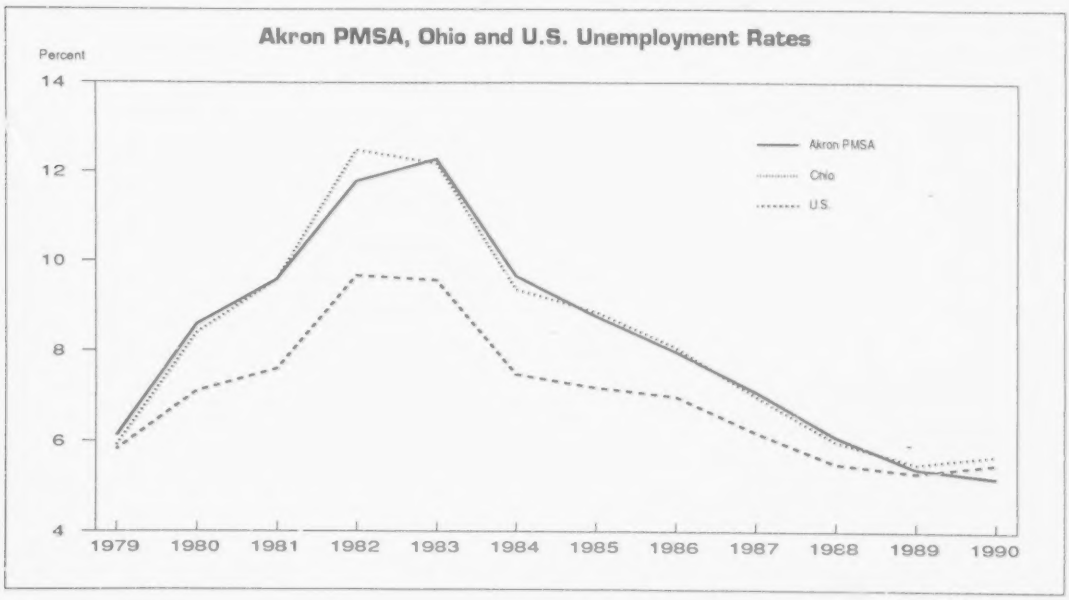
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-0 (1990)

Akron
Primary Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Akron metropolitan area rose 700 from 1989 to 332,300 in 1990. Total employment, at 314,900, gained 1,200 jobs over the year, while unemployment declined 500. The unemployment rate decreased from 5.4 percent in 1989 to 5.2 percent in 1990.

Nonagricultural wage and salary employment advanced 5,000 above the 1989 level to 285,900 in 1990, a growth rate of 1.8 percent. The number of people employed in service-producing industries increased 4,900 to 207,800. Leading areas of expansion were services, primarily health, business, and social services, and state and local schools and colleges. Modest gains were posted in transportation and public utilities and in finance, insurance, and real estate. Employment in retail trade and wholesale trade declined over the year. Goods-producing industries, at 78,100, was virtually unchanged. Growth in construction employment counterbalanced scattered cutbacks in manufacturing. Noteworthy reductions occurred in fabricated metal products, transportation equipment, and rubber and miscellaneous plastics products.



Akron PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

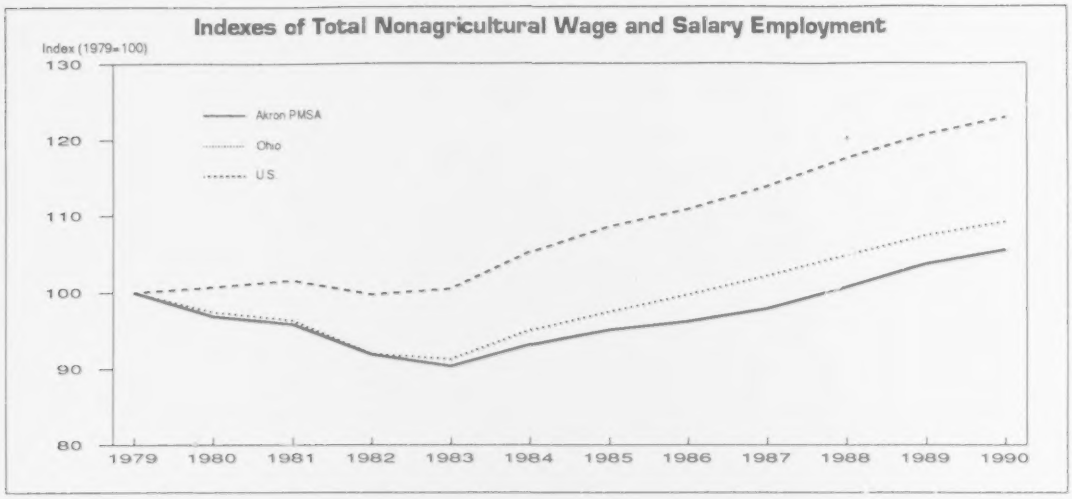
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
303.8	285.4	18.4	6.1	5.9	5.8	1979	270.9	95.3	175.6
304.5	278.3	26.2	8.6	8.4	7.1	1980	262.4	87.6	174.8
304.1	274.9	29.1	9.6	9.6	7.6	1981	259.5	84.0	175.5
303.9	268.0	35.9	11.8	12.5	9.7	1982	248.8	76.0	172.9
302.5	265.2	37.3	12.3	12.2	9.6	1983	244.7	72.8	171.9
316.5	285.8	30.6	9.7	9.4	7.5	1984	252.2	76.2	176.0
317.8	289.9	28.0	8.8	8.9	7.2	1985	257.6	77.2	180.4
320.4	294.8	25.6	8.0	8.1	7.0	1986	260.7	76.4	184.3
320.3	297.5	22.7	7.1	7.0	6.2	1987	265.1	76.1	189.0
324.9	305.2	19.7	6.1	6.0	5.5	1988	272.7	76.4	196.3
331.6	313.7	17.8	5.4	5.5	5.3	1989	281.0	78.1	202.9
332.3	314.9	17.3	5.2	5.7	5.5	1990	285.9	78.1	207.8

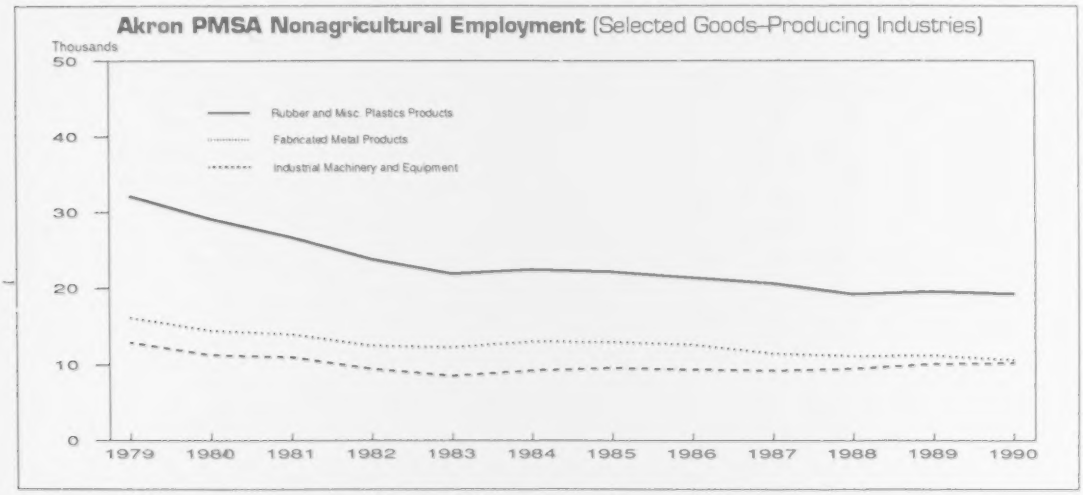
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

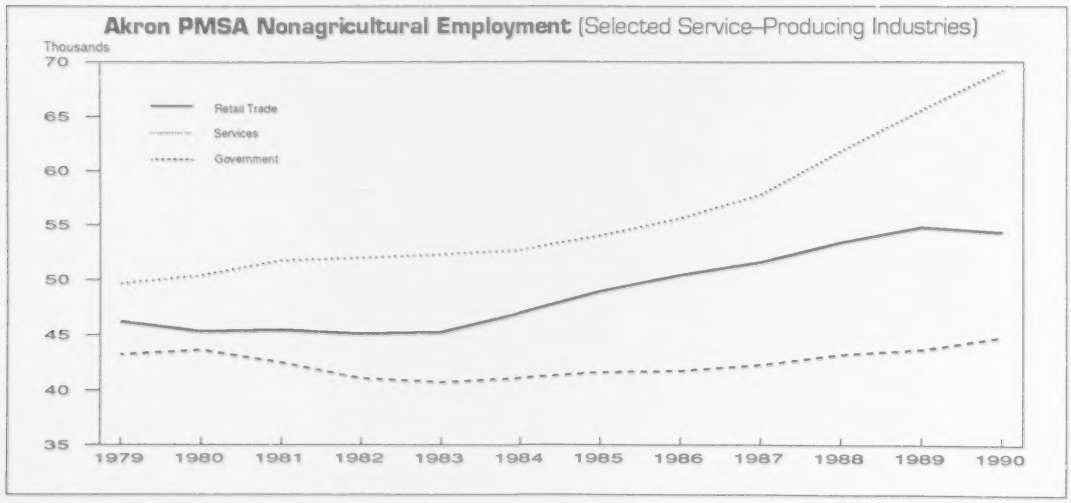
Nonfarm payroll employment in the Akron area rose 41,200 since the 1983 economic downturn. A major portion of the gain occurred in services (+16,900) and retail trade (+9,100). Noteworthy growth was posted in government, construction, and wholesale trade. From 1979 to 1990, employment increased 15,000 or 5.6 percent. During the same period, the area lost 18,600 manufacturing jobs and 1,400 workers in transportation and public utilities.

Akron PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
9.2	85.6	1979	15.2	12.0	46.2	1979	9.4	49.7	43.2
8.0	79.1	1980	14.2	12.0	45.3	1980	9.3	50.4	43.6
7.7	75.7	1981	14.0	12.5	45.4	1981	9.3	51.8	42.5
7.0	68.3	1982	13.1	12.2	45.1	1982	9.3	52.1	41.1
6.9	65.2	1983	12.5	11.9	45.2	1983	9.1	52.3	40.7
7.6	67.9	1984	13.0	13.0	46.9	1984	9.2	52.8	41.1
8.2	68.1	1985	12.8	13.4	48.9	1985	9.6	54.0	41.6
8.6	67.2	1986	12.9	13.5	50.4	1986	10.2	55.6	41.7
9.1	66.4	1987	12.8	14.0	51.6	1987	10.6	57.8	42.2
9.7	66.2	1988	12.8	14.6	53.4	1988	10.5	61.8	43.2
10.1	67.3	1989	13.3	15.2	54.8	1989	10.5	65.6	43.6
10.5	67.0	1990	13.8	14.9	54.3	1990	10.8	69.2	44.8


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Akron PMSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Akron PMSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
50
40
30
20
10
0
Rubber and Misc. Plastics Products
Fabricated Metal Products
Industrial Machinery and Equipment
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Akron PMSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
70
65
60
55
50
45
40
35
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Akron MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	285.9	274.1	278.8	282.0	284.5	289.0	285.3	284.1	285.2	292.1	291.7	292.3	292.0
Goods-Producing Industries[b]	78.1	74.9	75.2	76.3	77.1	78.4	79.0	78.7	79.2	80.0	80.3	79.6	78.9
Construction	10.5	9.0	8.9	9.4	10.2	10.8	11.2	11.3	11.5	11.6	11.3	10.9	10.3
Manufacturing	67.0	65.4	65.7	66.3	66.3	66.9	67.1	66.8	67.0	67.7	68.3	68.0	68.0
Durable Goods[c]	34.7	33.7	33.9	34.3	34.3	34.8	34.8	34.4	34.6	35.3	35.5	35.3	35.5
Fabricated Metal Products	10.6	10.0	10.3	10.5	10.6	10.7	10.7	10.4	10.7	10.9	11.0	10.7	11.1
Fabricated Structural Metal Products	4.7	4.6	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9
Industrial Machinery and Equipment	10.2	10.2	10.2	10.3	10.1	10.2	10.2	10.1	10.1	10.3	10.3	10.2	10.1
Metalworking Machinery	4.0	3.9	4.0	4.0	4.0	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.3
Electronic and Other Electric Equipment	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
Transportation Equipment	4.9	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8
Nondurable Goods[d]	32.3	31.7	31.9	32.0	32.0	32.1	32.3	32.4	32.5	32.4	32.7	32.6	32.5
Food and Kindred Products	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Chemicals and Allied Products	3.5	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Rubber and Miscellaneous Plastics Products	19.3	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.6	19.6	19.4
Tires and Inner Tubes	10.3	10.3	10.3	10.3	10.3	10.3	10.2	10.3	10.3	10.2	10.4	10.5	10.5
Service-Producing Industries	207.8	199.1	203.6	205.7	207.4	210.6	206.3	205.4	205.9	212.1	211.4	212.7	213.1
Transportation and Public Utilities	13.8	13.5	13.5	13.6	13.7	13.8	13.9	13.9	14.0	14.0	14.0	13.8	13.9
Communications, Electric, Gas Services	5.5	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Wholesale Trade	14.9	14.8	14.8	14.9	14.9	15.0	15.0	15.1	15.0	15.0	14.9	14.9	14.9
Retail Trade	54.3	53.1	52.6	53.0	53.5	54.3	54.5	54.2	54.5	54.9	54.8	55.7	56.3
General Merchandise Stores	6.5	6.8	6.4	6.2	6.3	6.3	6.4	6.4	6.3	6.4	6.4	6.7	6.9
Food Stores	8.9	8.6	8.5	8.5	8.7	8.9	9.0	9.0	9.0	9.1	9.1	9.3	9.5
Finance, Insurance, and Real Estate	10.8	10.7	10.7	10.8	10.8	10.9	10.9	11.0	11.0	10.9	10.7	10.7	10.7
Finance	5.4	5.4	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3
Services	69.2	65.4	65.5	66.5	67.8	69.4	71.1	72.0	71.8	71.2	70.1	69.9	70.1
Business Services	11.6	11.1	11.1	11.2	11.4	11.7	11.8	12.0	11.9	11.9	11.7	11.8	11.8
Personnel Supply Services	3.2	2.9	2.9	3.1	3.1	3.4	3.4	3.4	3.4	3.4	3.2	3.3	3.2
Amusements, Including Motion Pictures	5.6	4.2	4.2	4.3	5.2	6.0	6.8	7.4	7.3	6.6	5.5	5.1	5.2
Health Services	22.5	22.0	22.0	22.2	22.0	22.2	22.4	22.6	22.7	22.8	22.8	23.0	23.0
Nursing and Personal Care Facilities	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.7	3.7	3.8	3.7	3.8	3.8
Hospitals	11.3	11.2	11.1	11.1	11.1	11.1	11.3	11.4	11.3	11.4	11.4	11.5	11.5
Social Services	5.2	5.0	5.0	5.1	5.0	5.1	5.2	5.2	5.2	5.3	5.3	5.4	5.4
Engineering and Management Services	5.1	4.7	4.8	5.1	4.9	5.0	5.1	5.1	5.1	5.2	5.2	5.3	5.3

See footnotes at end of table.

Akron PMSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	44.8	41.7	46.5	47.0	46.6	47.4	41.0	39.3	39.7	46.1	46.9	47.7	47.3
Federal Government	2.6	2.4	2.4	2.5	2.6	3.0	2.6	2.7	2.6	2.5	2.5	2.6	2.6
State Government	15.8	13.0	17.4	17.7	17.4	17.3	12.2	11.5	12.1	17.2	17.9	18.1	17.8
State Government Education[e]	12.9	10.1	14.5	14.9	14.6	14.5	9.2	8.5	9.1	14.3	15.1	15.3	14.9
Local Government	26.4	26.3	26.7	26.8	26.6	27.1	26.1	25.1	25.0	26.5	26.5	27.1	26.9
Local Government Education	14.2	14.6	15.0	15.0	14.7	14.9	13.3	12.3	12.3	14.3	14.4	15.0	15.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-1 (1990)

Akron MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	281.0	267.3	271.9	278.8	281.3	285.0	283.5	278.8	279.6	286.0	286.2	286.5	286.7
Goods-Producing Industries[b]	78.1	75.7	75.6	76.7	77.8	78.7	79.7	78.7	79.4	79.3	79.1	78.5	77.5
Construction	10.1	8.5	8.4	8.6	9.5	10.1	10.7	11.1	11.4	11.2	11.2	10.9	10.1
Manufacturing	67.3	66.6	66.7	67.5	67.8	68.1	68.4	67.0	67.5	67.5	67.2	67.0	66.8
Durable Goods[c]	35.0	34.6	34.6	34.7	35.1	35.2	35.2	34.7	35.1	35.3	35.2	35.0	34.9
Fabricated Metal Products	11.2	10.9	10.9	11.0	11.2	11.2	11.0	10.9	11.5	11.4	11.4	11.2	11.2
Fabricated Structural Metal Products	4.8	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.8	4.8	4.7	4.7
Industrial Machinery and Equipment	10.1	9.9	9.9	9.9	10.1	10.1	10.2	10.1	10.1	10.1	10.1	10.1	10.1
Metalworking Machinery	3.8	3.7	3.7	3.7	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8
Electronic and Other Electric Equipment	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.5
Transportation Equipment	5.2	5.5	5.5	5.3	5.4	5.4	5.4	4.9	4.9	5.0	4.9	4.9	4.9
Nondurable Goods[d]	32.4	32.0	32.1	32.8	32.7	32.9	33.2	32.3	32.3	32.2	32.0	32.0	31.9
Food and Kindred Products	3.1	3.0	3.0	3.0	2.9	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Chemicals and Allied Products	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.5	3.6
Rubber and Miscellaneous Plastics Products	19.6	19.5	19.5	20.2	20.1	20.2	20.4	19.4	19.4	19.3	19.3	19.3	19.2
Tires and Inner Tubes	10.7	10.4	10.4	11.0	11.2	11.2	11.3	10.4	10.4	10.4	10.4	10.4	10.4
Service-Producing Industries	202.9	191.6	196.4	202.1	203.5	206.3	203.8	200.1	200.2	206.7	207.1	207.9	209.2
Transportation and Public Utilities	13.3	12.7	12.8	12.9	13.1	13.3	13.4	13.3	13.5	13.6	13.7	13.7	13.8
Communications, Electric, Gas Services	5.1	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4
Wholesale Trade	15.2	15.2	15.3	15.5	15.2	15.3	15.3	15.2	15.2	15.1	15.0	14.9	14.9
Retail Trade	54.8	52.3	52.3	54.0	54.5	55.0	55.3	55.2	55.4	55.3	55.2	56.0	56.9
General Merchandise Stores	7.2	6.4	6.2	7.3	7.5	7.3	7.3	7.2	7.2	7.2	7.3	7.6	8.1
Food Stores	8.9	8.7	8.7	8.7	8.8	9.0	9.1	9.1	9.1	9.0	8.9	9.0	9.0
Finance, Insurance, and Real Estate	10.5	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.7	10.7	10.7	10.8
Finance	5.3	5.1	5.1	5.2	5.3	5.3	5.3	5.4	5.4	5.5	5.4	5.4	5.4
Services	65.6	62.1	62.3	63.2	64.4	66.0	68.8	67.4	67.3	67.0	66.1	65.8	66.2
Business Services	10.9	10.3	10.3	10.5	10.8	10.9	11.3	11.1	11.0	11.0	11.3	11.3	11.2
Personnel Supply Services	3.0	2.8	2.7	2.9	3.0	3.0	3.1	3.0	3.0	3.0	3.2	3.1	3.0
Amusement, Including Motion Pictures	5.4	3.9	3.9	4.1	5.0	6.2	7.9	6.7	6.6	6.0	5.0	4.7	4.6
Health Services	21.3	21.2	21.0	21.1	21.0	21.1	21.3	21.2	21.4	21.6	21.4	21.5	21.6
Nursing and Personal Care Facilities	3.7	3.6	3.6	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.7	3.7	3.7
Hospitals	10.6	10.8	10.7	10.8	10.7	10.6	10.8	10.4	10.5	10.6	10.4	10.5	10.5
Social Services	4.7	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.9	4.8	4.8	4.9
Engineering and Management Services	4.9	4.7	4.8	4.9	4.8	4.8	4.9	4.9	4.9	4.9	4.9	5.0	5.1

See footnotes at end of table.

Akron PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.6	39.1	43.5	46.3	45.9	46.4	40.6	38.5	38.2	45.1	46.4	46.7	46.8
Federal Government	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
State Government	15.3	12.8	14.9	17.5	17.3	17.1	11.9	11.2	11.0	16.8	17.4	17.5	17.7
State Government Education[e]	12.3	9.9	12.0	14.6	14.4	14.2	8.8	8.2	8.0	13.9	14.6	14.7	14.8
Local Government	26.0	23.9	26.2	26.4	26.2	26.8	26.3	24.9	24.8	25.9	26.6	26.8	26.7
Local Government Education	13.9	12.4	14.7	14.8	14.4	14.7	13.5	11.9	12.1	13.8	14.6	14.7	14.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-1 (1989)

Akron PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.93	$11.60	$11.68	$11.71	$11.61	$12.00	$12.11	$11.97	$12.17	$12.21	$12.13	$11.94	$12.02
Durable Goods[b]	12.06	11.62	11.78	11.77	11.73	12.19	12.33	12.05	12.41	12.38	12.27	11.98	12.12
Fabricated Metal Products	14.69	13.71	14.07	13.94	14.06	15.11	15.32	14.67	15.32	15.33	15.10	14.45	14.78
Fabricated Structural Metal Products	11.98	11.67	11.84	11.86	11.61	12.26	12.37	11.75	12.03	12.12	12.19	12.05	11.95
Industrial Machinery and Equipment	10.93	10.88	10.82	10.80	10.64	10.68	10.82	10.92	11.04	11.07	11.02	11.18	11.27
Metalworking Machinery	11.52	11.23	11.29	11.32	11.12	11.20	11.36	11.61	11.65	11.74	11.69	12.03	11.92
Electronic and Other Electric Equipment	10.26	9.73	9.88	9.99	10.21	10.23	10.33	10.42	10.43	10.40	10.41	10.59	10.53
Transportation Equipment	14.60	14.60	14.84	14.93	14.33	14.45	14.48	14.44	14.50	14.63	14.62	14.68	14.67
Nondurable Goods[c]	11.75	11.57	11.54	11.61	11.45	11.72	11.78	11.84	11.83	11.96	11.93	11.92	11.88
Food and Kindred Products	9.79	9.52	9.45	9.63	9.57	9.73	9.92	9.81	9.88	9.86	9.90	10.13	10.04
Chemicals and Allied Products	12.65	12.10	12.13	12.39	12.59	12.38	12.47	12.59	12.76	12.99	13.29	13.07	13.01
Rubber and Miscellaneous Plastics Products	11.66	11.52	11.42	11.34	11.24	11.79	11.83	11.92	11.86	11.91	11.68	11.62	11.69
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.59	14.58	14.61	14.47	14.66	14.57	14.53	14.48	14.51	14.64	14.63	14.72	14.71
Wholesale Trade	9.87	9.73	9.61	9.64	9.80	9.89	9.93	9.86	9.98	9.91	9.94	10.09	10.08
Retail Trade[d]	7.07	6.83	6.91	7.01	7.09	6.98	7.00	7.13	7.19	7.13	7.08	7.19	7.24
General Merchandise Stores	6.65	6.54	6.54	6.69	6.72	6.73	6.63	6.64	6.72	6.67	6.68	6.56	6.67
Food Stores	8.64	8.67	8.74	8.78	8.68	8.67	8.44	8.37	8.40	8.57	8.60	8.81	8.92

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-1 (1990)

Akron PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.8	42.9	42.5	42.7	41.3	43.0	43.3	42.6	43.5	43.4	42.8	43.2	42.9
Durable Goods[b]	43.2	42.9	42.8	42.8	41.5	43.5	43.9	42.8	44.1	43.7	43.1	43.5	43.3
Fabricated Metal Products	43.2	41.6	42.0	41.2	40.8	45.6	45.8	42.6	45.8	44.9	43.4	42.8	41.5
Fabricated Structural Metal Products	43.9	43.4	43.5	42.9	42.1	45.8	45.4	41.6	45.7	44.5	45.1	44.8	42.6
Industrial Machinery and Equipment	44.6	44.9	44.7	45.2	43.4	43.6	43.7	44.0	44.6	44.7	44.5	45.5	46.2
Metalworking Machinery	46.0	45.3	46.2	46.5	44.0	44.3	44.9	45.2	45.8	45.9	46.4	48.3	48.5
Electronic and Other Electric Equipment	41.3	40.4	40.9	40.8	40.6	41.4	42.1	42.3	41.9	41.0	41.4	41.9	41.0
Transportation Equipment	42.9	43.4	44.0	44.3	40.7	42.7	42.3	42.7	42.4	42.9	42.8	43.5	43.5
Nondurable Goods[c]	42.4	42.9	42.1	42.5	40.9	42.3	42.5	42.4	42.7	42.9	42.3	42.8	42.3
Food and Kindred Products	39.5	39.1	39.0	39.7	38.5	39.2	40.1	39.6	39.7	39.2	39.7	41.3	39.2
Chemicals and Allied Products	43.5	43.3	42.0	42.8	44.0	43.1	43.7	43.1	44.1	44.3	45.3	43.1	43.6
Rubber and Miscellaneous Plastics Products	43.3	44.3	43.3	42.7	41.2	43.5	44.0	44.1	44.1	43.8	42.5	43.4	43.2
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.9	40.6	40.2	40.5	41.3	41.0	41.0	40.6	40.6	40.9	40.7	41.5	42.3
Wholesale Trade	36.7	36.8	36.8	36.9	36.7	36.7	36.8	36.3	36.6	36.5	36.8	36.9	36.7
Retail Trade	30.6	30.7	30.4	30.5	30.3	30.7	31.0	31.3	30.9	30.4	30.3	30.3	30.9
General Merchandise Stores	29.6	30.5	29.7	29.3	29.5	29.9	29.6	29.5	30.0	29.4	29.1	28.4	29.9
Food Stores	36.8	35.7	35.4	36.9	35.8	36.0	37.4	38.4	37.4	37.3	37.3	37.1	36.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-1 (1990)

Akron PMSA

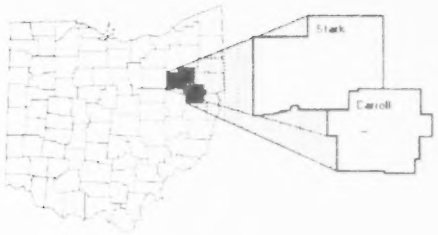
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$510.60	$497.64	$496.40	$500.02	$479.49	$516.00	$524.36	$509.92	$529.40	$529.91	$519.16	$515.81	$515.66
Durable Goods[b]	520.99	498.50	504.18	503.76	486.80	530.27	541.29	515.74	547.28	541.01	528.84	521.13	524.80
Fabricated Metal Products	634.61	570.34	590.94	574.33	573.65	689.02	701.66	624.94	701.66	688.32	655.34	618.46	613.37
Fabricated Structural Metal Products	525.92	506.48	515.04	508.79	488.78	561.51	561.60	488.80	549.77	539.34	549.77	539.84	509.07
Industrial Machinery and Equipment	487.48	488.51	483.65	488.16	461.78	465.65	472.83	480.48	492.38	494.83	490.39	508.69	520.67
Metalworking Machinery	529.92	508.72	521.60	526.38	489.28	496.16	510.06	524.77	533.57	538.87	542.42	581.05	578.12
Electronic and Other Electric Equipment	423.74	393.09	404.09	407.59	414.53	423.52	434.89	440.77	437.02	426.40	430.97	443.72	431.73
Transportation Equipment	626.34	633.64	652.96	661.40	583.23	617.02	612.50	616.59	614.80	627.63	625.74	638.58	638.15
Nondurable Goods[c]	498.20	496.35	485.83	493.43	468.31	495.76	500.65	502.02	505.14	513.08	504.64	510.18	502.52
Food and Kindred Products	386.71	372.23	368.55	382.31	368.45	381.42	397.79	388.48	392.24	386.51	393.03	418.37	393.57
Chemicals and Allied Products	550.28	523.93	509.46	530.29	553.96	533.58	544.94	542.63	562.72	575.46	602.04	563.32	567.24
Rubber and Miscellaneous Plastics Products	504.88	510.34	494.49	484.22	463.09	512.87	520.52	525.67	523.03	521.66	496.40	504.31	505.01
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	596.73	591.95	587.32	586.04	605.46	597.37	595.73	587.89	589.11	598.78	595.44	610.88	622.23
Wholesale Trade	362.23	358.06	353.65	355.72	359.66	362.96	365.42	357.92	365.27	361.72	365.79	372.32	369.94
Retail Trade[d]	216.34	209.68	210.06	213.81	214.83	214.29	217.00	223.17	222.17	216.75	214.52	217.86	223.72
General Merchandise Stores	196.84	199.47	194.24	196.02	198.24	201.23	196.25	195.88	201.60	196.10	194.39	186.30	199.43
Food Stores	317.95	309.52	309.40	323.98	310.74	312.12	315.66	321.41	314.16	319.66	320.78	326.85	329.15
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	282.50	285.47	287.83	286.14	281.93	284.12	282.33	284.90	283.78	281.68	276.86	275.05	279.92

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [r]Depressed due to labor-management disputes during part of pay period. [s]Not comparable to previous estimates.

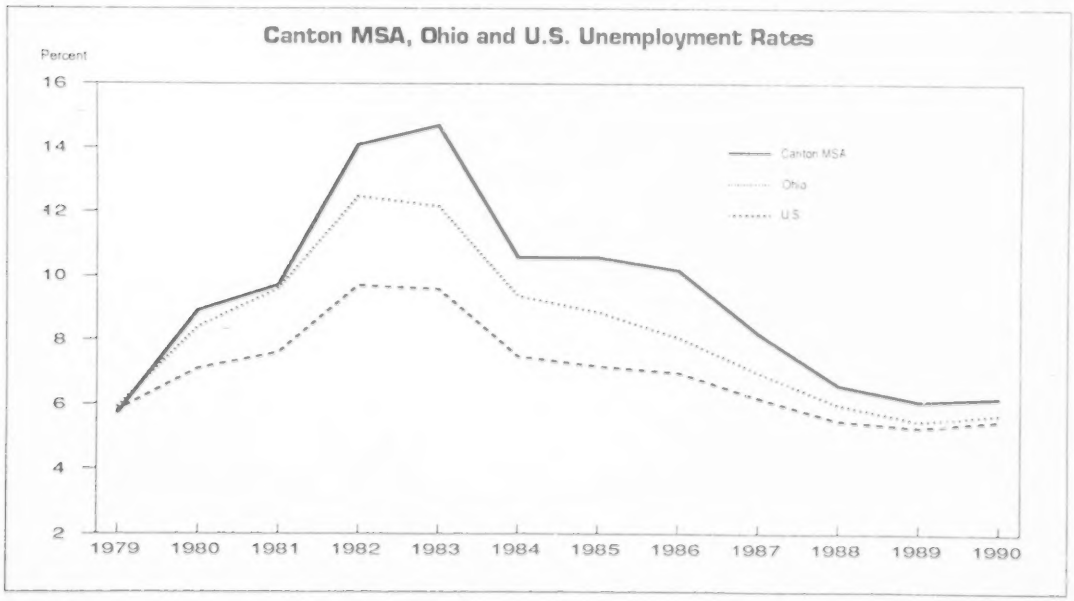
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-1 (1990)

Canton Metropolitan Statistical Area



In the Canton metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, decreased 500 from the 1989 level to 193,800 in 1990. Total employment, at 181,800, lost 700 jobs over the year, while unemployment rose 200. The unemployment rate showed a marginal increase, from 6.1 percent in 1989 to 6.2 percent in 1990.

Nonagricultural wage and salary employment, at 166,000 in 1990, advanced 1,600 above the 1989 level, a 1.0 percent gain. The number of jobs in service-producing industries increased 2,000 to 112,900. A major portion of the growth occurred in services (+1,400). Modest improvements were registered in government and wholesale trade. Employment in transportation and public utilities and in finance, insurance, and real estate declined fractionally. Employment in goods-producing industries dropped 400 over the year to 53,200. Reductions among manufacturers of durable and nondurable goods more than offset nominal growth in construction. Employment cutbacks were noted in fabricated metal products, rubber and miscellaneous plastics products, electronic and other electric equipment, and food and kindred products.



Canton MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

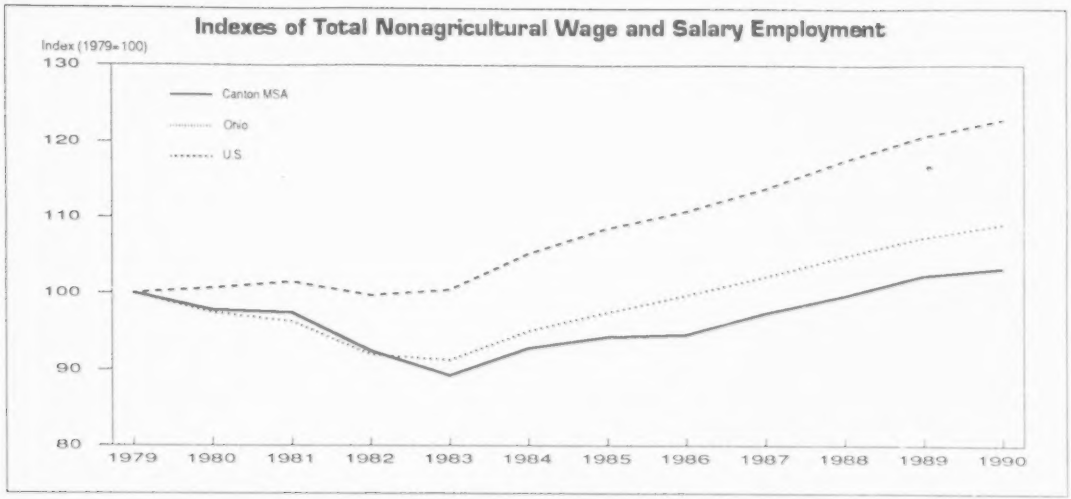
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
184.3	173.7	10.6	5.7	5.9	5.8	1979	160.8	66.6	94.2
187.7	170.9	16.8	8.9	8.4	7.1	1980	157.1	62.3	94.9
188.4	170.1	18.2	9.7	9.6	7.6	1981	156.6	61.2	95.4
191.4	164.3	27.0	14.1	12.5	9.7	1982	148.6	53.5	95.1
187.0	159.5	27.5	14.7	12.2	9.6	1983	143.4	49.0	94.4
188.1	168.1	19.9	10.6	9.4	7.5	1984	149.1	52.6	96.5
189.5	169.5	20.0	10.6	8.9	7.2	1985	151.5	52.7	98.8
190.5	171.2	19.4	10.2	8.1	7.0	1986	151.9	50.0	101.9
190.4	174.7	15.7	8.2	7.0	6.2	1987	156.4	50.9	105.5
190.5	178.0	12.6	6.6	6.0	5.5	1988	160.1	52.5	107.6
194.3	182.5	11.8	6.1	5.5	5.3	1989	164.5	53.6	110.9
193.8	181.8	12.0	6.2	5.7	5.5	1990	166.0	53.2	112.9

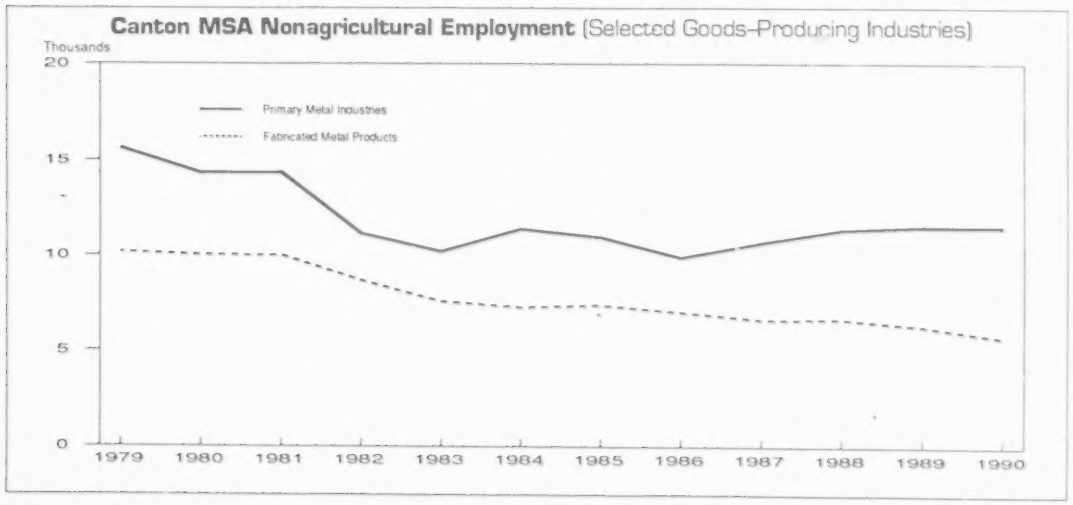
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

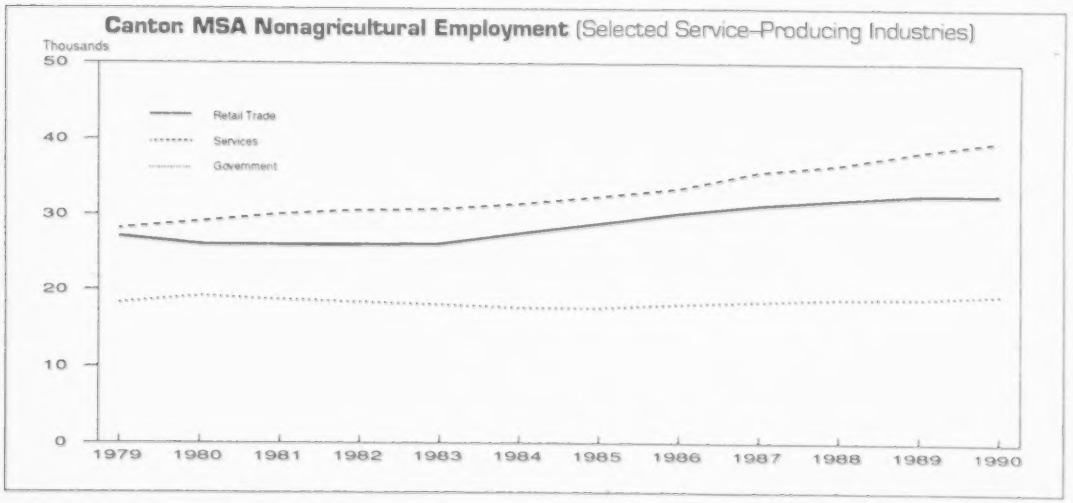
Nonfarm payroll employment in the Canton area gained 22,600 jobs since the 1983 economic downturn. Noteworthy growth occurred in services (+9,000), retail trade (+5,500), and construction (+3,300). From 1979 to 1990, employment rose 5,300 or 3.3 percent. During the same period, the manufacturing workforce declined 14,300 and transportation and public utilities lost 2,000 jobs.

Canton MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
6.4	59.1	1979	7.6	7.2	27.1	1979	5.9	28.1	18.3
5.4	55.7	1980	7.2	7.3	26.0	1980	6.2	29.0	19.2
5.1	54.8	1981	6.9	7.6	25.9	1981	6.3	30.0	18.7
4.6	47.6	1982	6.5	7.6	25.9	1982	6.3	30.5	18.3
4.3	43.5	1983	5.9	7.3	26.1	1983	6.4	30.7	18.0
4.9	46.4	1984	6.2	7.7	27.4	1984	6.1	31.4	17.6
5.3	46.2	1985	5.9	7.9	28.8	1985	6.1	32.4	17.6
5.3	43.7	1986	5.7	8.0	30.1	1986	6.4	33.4	18.1
6.0	44.0	1987	5.7	8.1	31.2	1987	6.5	35.6	18.5
6.3	45.3	1988	5.7	8.2	31.9	1988	6.5	36.5	18.8
7.2	45.7	1989	5.7	8.7	32.5	1989	6.9	38.2	18.9
7.6	44.8	1990	5.6	8.8	32.6	1990	6.8	39.7	19.4


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Canton MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Canton MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
20
15
10
5
0
Primary Metal Industries
Fabricated Metal Products
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Canton MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
50
40
30
20
10
0
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Canton MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	166.0	162.0	161.4	163.0	164.2	167.1	168.2	167.2	167.4	168.2	167.9	168.2	167.5
Goods-Producing Industries[b]	53.2	52.1	52.0	52.4	52.2	53.3	53.8	54.1	54.1	54.5	53.6	53.4	52.4
Construction	7.6	6.5	6.5	6.9	7.7	7.9	7.9	8.1	8.3	8.2	8.0	7.8	7.3
Manufacturing	44.8	44.9	44.7	44.8	43.8	44.7	45.1	45.2	45.1	45.5	44.8	44.9	44.4
Durable Goods[c]	33.5	33.6	33.7	33.4	32.6	33.4	33.7	33.8	33.7	34.1	33.5	33.5	33.4
Primary Metal Industries[f]	11.5	11.0	11.0	11.2	10.3[f]	11.3	11.6	11.7	11.8	12.1	11.8	11.9	12.1
Fabricated Metal Products	5.7	5.9	6.0	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.4	5.4	5.4
Electronic and Other Electric Equipment	4.1	4.2	4.2	4.2	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.1	3.9
Nondurable Goods[d]	11.3	11.3	11.0	11.4	11.2	11.3	11.4	11.4	11.4	11.4	11.3	11.3	11.0
Food and Kindred Products	3.0	3.2	2.9	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.1	3.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	2.9	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.5
Service-Producing Industries	112.9	109.9	109.5	110.6	112.0	113.8	114.4	113.1	113.3	113.7	114.4	114.8	115.1
Transportation and Public Utilities	5.6	5.5	5.5	5.4	5.4	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7
Communications, Electric, Gas Services	2.8	2.7	2.7	2.8	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Wholesale Trade	8.8	8.6	8.5	8.6	8.7	8.8	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Retail Trade	32.6	32.0	31.2	31.6	32.1	32.7	33.1	32.8	33.0	32.8	33.0	33.2	33.6
General Merchandise Stores	4.0	4.3	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.9	4.1	4.2
Food Stores	5.6	5.7	5.3	5.3	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.8
Finance, Insurance, and Real Estate	6.8	6.9	6.9	7.0	6.8	6.8	6.8	6.9	6.9	6.7	6.7	6.6	6.6
Finance	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9
Services	39.7	37.7	37.9	38.5	39.4	39.8	40.5	40.2	40.2	40.2	40.4	40.6	40.5
Health Services	16.0	15.6	15.6	15.7	15.8	15.9	16.1	16.1	16.1	16.2	16.2	16.4	16.4
Nursing and Personal Care Facilities	3.8	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.9	3.9
Hospitals	7.4	7.2	7.2	7.2	7.3	7.4	7.5	7.5	7.5	7.4	7.5	7.6	7.6
Government	19.4	19.3	19.5	19.5	19.6	20.1	19.3	18.6	18.5	19.2	19.6	19.7	19.7
Federal Government	1.5	1.4	1.4	1.4	1.5	1.9	1.6	1.7	1.5	1.5	1.5	1.5	1.5
State Government (Includes Education)	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local Government	16.1	16.3	16.4	16.3	16.3	16.4	16.0	15.2	15.3	16.0	16.4	16.5	16.5
Local Government Education	9.6	9.8	9.9	9.9	9.9	9.9	9.4	8.6	8.5	9.5	10.0	10.0	10.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-2 (1990)

Canton MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	164.5	161.2	160.8	162.2	163.1	164.8	165.8	166.2	166.3	166.4	162.3	167.2	167.1
Goods-Producing Industries[b]	53.6	53.1	52.8	53.1	53.4	54.1	54.9	54.9	55.0	54.4	49.9	54.1	53.4
Construction	7.2	6.1	6.0	6.2	6.7	7.1	7.6	7.9	7.9	7.7	7.8	7.6	7.2
Manufacturing	45.7	46.2	46.1	46.2	46.0	46.3	46.5	46.2	46.3	45.9	41.3	45.7	45.4
Durable Goods[c]	34.0	34.5	34.3	34.5	34.4	34.5	34.7	34.5	34.6	34.3	29.8[f]	34.2	33.8
Primary Metal Industries	11.5	11.8	11.8	11.9	11.9	11.9	11.8	11.8	11.8	11.6	9.6[f]	11.4	11.0
Fabricated Metal Products	6.3	6.6	6.5	6.5	6.4	6.4	6.4	6.2	6.1	6.1	6.1	6.0	6.1
Electronic and Other Electric Equipment	4.2	4.5	4.2	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Nondurable Goods[d]	11.7	11.8	11.7	11.7	11.7	11.8	11.8	11.8	11.7	11.6	11.6	11.6	11.6
Food and Kindred Products	3.1	3.2	3.2	3.2	3.1	3.2	3.3	3.1	3.1	3.1	3.0	3.0	3.1
Rubber and Miscellaneous Plastics Products	3.1	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.1	3.0	3.0
Service-Producing Industries	110.9	108.1	108.0	109.1	109.6	110.7	110.9	111.3	111.4	112.0	112.4	113.1	113.8
Transportation and Public Utilities	5.7	5.6	5.6	5.6	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Communications, Electric, Gas Services	2.7	2.7	2.7	2.7	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Wholesale Trade	8.7	8.5	8.4	8.5	8.4	8.5	8.6	8.8	8.8	8.7	8.8	8.8	8.9
Retail Trade	32.5	31.7	31.0	31.9	31.8	32.2	32.8	32.6	32.9	32.7	33.1	33.6	34.2
General Merchandise Stores	4.1	3.8	3.6	4.2	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.4	4.6
Food Stores	5.5	5.5	5.4	5.4	5.4	5.4	5.6	5.5	5.5	5.5	5.7	5.7	5.9
Finance, Insurance, and Real Estate	6.9	6.8	6.7	6.8	6.8	6.8	6.9	6.9	6.9	6.9	7.0	7.0	7.0
Finance	3.9	3.8	3.8	3.8	3.9	3.9	4.0	3.9	3.9	4.0	4.0	4.0	4.1
Services	38.2	36.4	36.8	37.1	37.8	38.1	38.5	39.1	39.3	39.4	38.8	39.0	38.5
Health Services	15.7	15.2	15.2	15.3	15.5	15.6	15.7	16.0	16.1	16.2	15.8	15.8	15.8
Nursing and Personal Care Facilities	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8
Hospitals	7.3	7.1	7.1	7.1	7.3	7.4	7.5	7.5	7.6	7.6	7.3	7.2	7.2
Government	18.9	19.1	19.4	19.1	19.1	19.3	18.4	18.2	17.7	18.6	19.1	19.1	19.4
Federal Government	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.4
State Government (Includes Education)	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Local Government	15.8	16.1	16.3	16.0	16.0	16.1	15.4	15.1	14.7	15.5	16.0	16.0	16.2
Local Government Education	9.4	9.7	9.9	9.8	9.8	9.9	8.9	8.5	8.3	9.2	9.7	9.7	9.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-2 (1989)

Canton MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.38	$11.24	$11.23	$11.22	$11.32	$11.40	$11.50	$11.47	$11.39	$11.46	$11.48	$11.45	$11.35
Durable Goods[b]	11.68	11.63	11.56	11.53	11.66	11.72	11.85	11.80	11.62	11.74	11.77	11.64	11.60
Primary Metal Industries	12.14	11.84	11.65	11.86	12.18	12.24	12.48	12.52	12.19	12.29	12.44	12.12	11.86
Fabricated Metal Products	11.36	11.97	11.87	11.63	11.59	11.29	11.33	11.34	10.96	11.02	10.97	11.02	10.99
Electronic and Other Electric Equipment	13.73	13.63	13.41	13.55	13.35	13.37	13.60	13.51	13.88	14.22	14.18	13.88	14.20
Nondurable Goods[c]	10.39	9.94	10.11	10.21	10.18	10.38	10.37	10.40	10.64	10.52	10.55	10.85	10.50
Food and Kindred Products	10.75	10.36	10.63	10.52	10.70	10.92	10.94	10.86	11.20	10.96	10.72	10.60	10.52
Rubber and Miscellaneous Plastics Products	9.67	9.66	9.72	9.60	9.63	9.79	9.60	9.60	9.73	9.69	9.57	9.66	9.83
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.56	14.32	14.35	14.47	14.35	14.30	14.48	14.59	14.55	14.60	14.79	14.88	14.97
Wholesale Trade	9.95	9.75	9.93	9.96	9.94	9.99	9.97	9.90	10.03	9.94	10.03	9.85	10.12
Retail Trade[d]	6.18	6.07	6.08	6.08	6.10	6.13	6.16	6.14	6.23	6.30	6.25	6.30	6.29
General Merchandise Stores	6.68	6.52	6.66	6.68	6.60	6.52	6.57	6.63	6.76	6.87	6.87	6.70	6.82
Food Stores	5.95	5.85	5.95	6.00	5.88	5.94	5.92	5.87	5.86	5.95	5.96	6.13	6.10
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	6.28	6.16	6.17	6.10	6.20	6.21	6.26	6.35	6.33	6.34	6.37	6.42	6.40

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-90 RS-790-4-2 (1990)

Canton MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.3	42.3	42.2	42.1	41.9	42.1	42.4	42.3	42.5	42.9	42.3	42.3	41.7
Durable Goods[b]	43.0	43.4	43.0	42.8	42.8	42.5	43.2	43.2	43.2	43.5	43.0	42.8	42.3
Primary Metal Industries	45.2	45.8	44.2	45.1	45.6	44.8	44.9	46.3	45.8	45.9	45.7	44.5	43.5
Fabricated Metal Products	40.6	41.1	40.4	41.2	40.5	39.6	41.4	40.9	40.3	40.7	40.5	40.2	39.7
Electronic and Other Electric Equipment	39.6	41.2	40.7	40.4	39.0	37.4	38.6	37.7	39.5	41.1	40.3	38.7	40.3
Nondurable Goods[c]	40.1	38.9	39.7	40.0	39.2	40.9	40.3	39.8	40.6	40.8	40.4	40.6	39.5
Food and Kindred Products	39.4	37.7	38.9	38.8	39.2	40.5	39.7	39.2	41.0	39.7	38.9	39.3	40.1
Rubber and Miscellaneous Plastics Products	40.7	40.9	41.2	41.0	40.5	42.9	40.9	40.1	39.6	40.2	39.9	40.1	40.6
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.7	40.0	39.9	40.1	39.6	40.2	40.7	40.7	40.4	41.1	41.0	41.6	43.4
Wholesale Trade	38.7	38.1	38.5	38.9	38.4	38.4	38.7	38.5	38.7	38.8	38.8	39.2	39.0
Retail Trade	28.1	28.0	28.2	28.4	28.5	28.2	28.1	28.5	28.2	27.9	27.7	27.5	28.1
General Merchandise Stores	28.7	29.0	28.8	29.0	29.0	28.8	29.1	29.6	29.0	28.3	28.1	27.6	28.6
Food Stores	28.1	27.4	27.8	27.7	27.2	27.7	27.6	28.5	28.1	28.7	28.9	28.5	29.1
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Nursing and Personal Care Facilities	30.1	30.0	29.4	29.7	29.9	29.8	30.1	30.6	29.8	30.5	30.2	30.6	30.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [l]Depressed due to labor-management disputes during part of pay period. [9]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-2 (1990)

Canton MSA

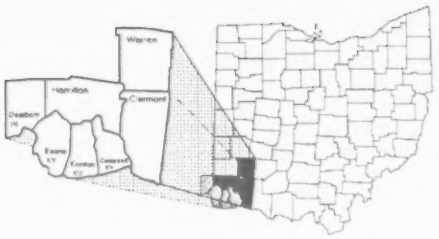
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$481.37	$475.45	$473.91	$472.36	$474.31	$479.94	$487.60	$485.18	$484.08	$491.63	$485.60	$484.34	$473.30
Durable Goods[b]	502.24	504.74	497.08	493.48	499.05	498.10	511.92	509.76	501.98	510.69	506.11	498.19	490.68
Primary Metal Industries	548.73	542.27	514.93	534.89	555.41	548.35	560.35	579.68	558.30	564.11	568.51	539.34	515.91
Fabricated Metal Products	461.22	491.97	479.55	479.16	469.40	447.08	469.06	463.81	441.69	448.51	444.29	443.00	436.30
Electronic and Other Electric Equipment	543.71	561.56	545.79	547.42	520.65	500.04	524.96	509.33	548.26	584.44	571.45	537.16	572.26
Nondurable Goods[c]	416.64	386.67	401.37	408.40	399.06	424.54	417.91	413.92	431.98	429.22	426.22	440.51	414.75
Food and Kindred Products	423.55	390.57	413.51	408.18	419.44	442.26	434.32	425.71	459.20	435.11	417.01	416.58	421.85
Rubber and Miscellaneous Plastics Products	393.57	395.09	400.46	393.60	390.02	419.99	392.64	384.96	385.31	389.54	381.84	387.37	399.10
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	592.59	572.80	572.57	580.25	568.26	574.86	589.34	593.81	587.82	600.06	606.39	619.01	649.70
Wholesale Trade	385.07	371.48	382.31	387.44	381.70	383.62	385.84	381.15	388.16	385.67	389.16	386.12	394.68
Retail Trade[d]	173.66	169.96	171.46	172.67	173.85	172.87	173.10	174.99	175.69	175.77	173.13	173.25	176.75
General Merchandise Stores	191.72	189.08	191.81	193.72	191.40	187.78	191.19	196.25	196.04	194.42	193.05	184.92	195.05
Food Stores	167.20	160.29	165.41	166.20	159.94	164.54	163.39	167.30	164.67	171.05	172.24	174.71	177.51
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	189.03	184.80	181.40	181.17	185.38	185.06	188.43	194.31	188.63	193.37	192.37	196.45	194.56

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products, industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

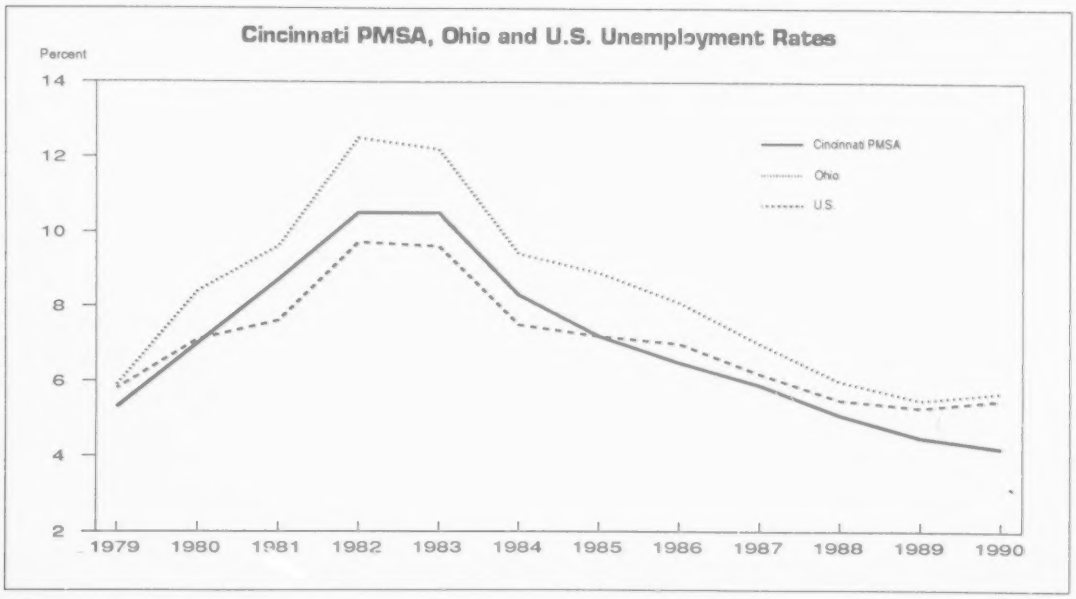
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-2 (1990)

Cincinnati
Primary Metropolitan Statistical Area



The estimated annual average civilian labor force in the Cincinnati metropolitan area, distributed by place of residence, advanced 8,500 from 1989 to 786,900 in 1990. Total employment, at 754,100, gained 10,600 jobs over the year, while unemployment declined 2,000. The unemployment rate dropped from 4.5 percent in 1989 to 4.2 percent in 1990.

Nonagricultural wage and salary employment advanced 19,500 above the 1989 level to 744,000 in 1990, a 2.7 percent growth rate. Expansion in the service-producing sector contributed 90.3 percent of the increase. Significant growth in services, especially health services, business services, engineering and management services, and social services, created 9,500 jobs. Noteworthy gains were posted in government, particularly local schools, and in transportation and public utilities. Marginal upturns occurred in finance, insurance, and real estate and wholesale trade. Employment in goods-producing industries rose 1,900 over the year to 182,400 due to scattered increases in manufacturing. Improvements in transportation equipment, chemicals and allied products, and printing and publishing overshadowed production cutbacks in fabricated metal products and industrial machinery and equipment. Employment in construction was unchanged during the period.



Cincinnati PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
663.4	628.1	35.3	5.3	5.9	5.8	1979	607.4	200.9	406.5
676.2	628.8	47.5	7.0	8.4	7.1	1980	600.7	188.0	412.6
678.5	619.3	59.1	8.7	9.6	7.6	1981	592.2	179.8	412.4
684.3	612.4	71.9	10.5	12.5	9.7	1982	575.3	167.1	408.2
687.6	615.2	72.4	10.5	12.2	9.6	1983	575.6	161.2	414.4
695.9	638.4	57.5	8.3	9.4	7.5	1984	600.8	167.3	433.5
710.6	659.1	51.5	7.2	8.9	7.2	1985	628.1	171.0	457.1
727.8	680.7	47.2	6.5	8.1	7.0	1986	650.8	174.1	476.7
744.2	700.2	44.0	5.9	7.0	6.2	1987	677.7	175.9	501.8
761.3	722.2	39.0	5.1	6.0	5.5	1988	701.6	177.7	523.9
778.4	743.5	34.8	4.5	5.5	5.3	1989	724.5	180.5	544.1
786.9	754.1	32.8	4.2	5.7	5.5	1990	744.0	182.4	561.6

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

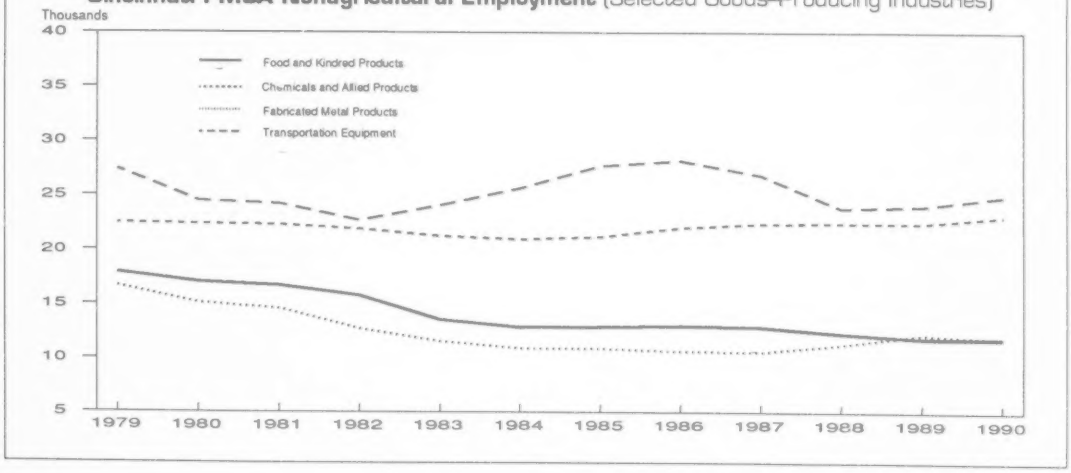
Nonfarm payroll employment in the Cincinnati area rose 168,500 since the 1983 economic downturn. Significant expansion occurred in services (+63,400) and retail trade (+36,300). Noteworthy gains were posted in government, construction, wholesale trade, and finance, insurance, and real estate. From 1979 to 1990, employment increased 136,600 or 22.5 percent. During the same period, the area lost 25,000 manufacturing jobs.

Cincinnati PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

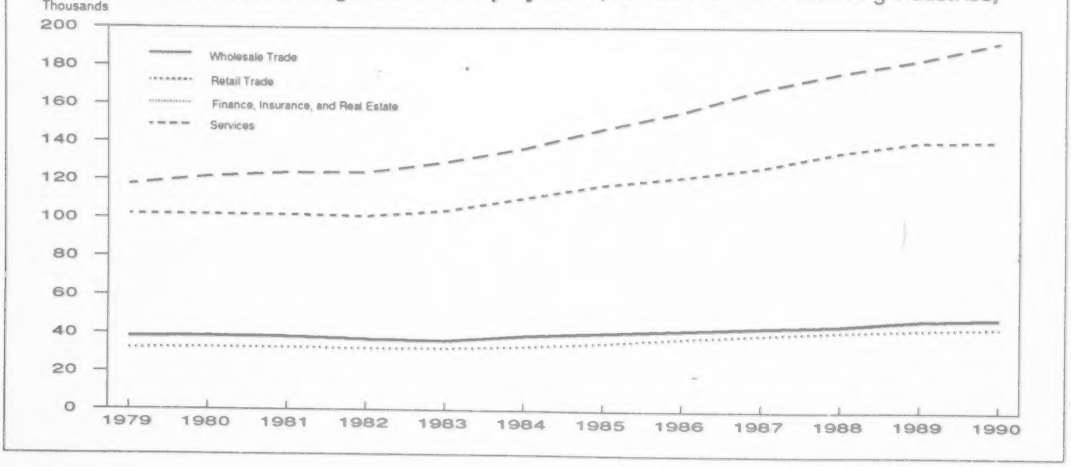
Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
27.4	173.1	1979	34.2	37.9	102.1	1979	32.1	117.4	82.8
25.3	162.4	1980	33.7	38.6	102.1	1980	32.6	121.7	83.9
22.2	157.3	1981	33.3	38.2	102.1	1981	32.6	123.9	82.4
20.4	146.3	1982	32.4	37.3	101.5	1982	32.3	124.3	80.5
20.4	140.4	1983	31.4	36.6	104.6	1983	32.8	129.7	79.2
21.9	145.0	1984	32.5	39.4	111.3	1984	33.9	137.1	79.3
23.5	147.1	1985	33.8	41.2	118.2	1985	35.7	147.1	81.2
26.1	147.7	1986	33.5	42.5	121.9	1986	38.2	155.9	84.7
29.5	146.0	1987	35.7	43.8	127.0	1987	40.4	168.0	86.8
31.6	145.7	1988	37.8	45.0	135.0	1988	42.0	176.4	87.7
33.8	146.2	1989	39.2	47.8	140.6	1989	42.9	183.6	90.1
33.9	148.1	1990	41.2	48.6	140.9	1990	43.8	193.1	94.2

Indexes of Total Nonagricultural Wage and Salary Employment

Cincinnati PMSA Nonagricultural Employment (Selected Goods-Producing Industries)



Cincinnati PMSA Nonagricultural Employment (Selected Service-Producing Industries)



Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	744.0	721.3	724.7	732.2	737.7	746.6	751.5	747.0	748.3	753.3	753.9	754.6	757.6
Goods-Producing Industries[b]	182.4	178.4	178.8	180.1	180.5	182.2	184.0	184.2	185.0	185.1	184.5	183.9	182.0
Construction	33.9	31.3	31.5	32.4	33.2	34.5	35.0	35.5	36.1	35.4	34.6	34.1	33.0
Manufacturing	148.1	146.7	147.0	147.3	146.9	147.3	148.5	148.3	148.5	149.3	149.5	149.4	148.6
Durable Goods[c]	79.8	79.5	79.7	79.8	79.8	79.9	80.2	80.0	80.0	80.4	80.1	79.4	78.7
Fabricated Metal Products	11.8	11.7	11.8	11.8	11.9	11.8	11.8	11.7	11.7	11.9	12.0	11.9	11.8
Fabricated Structural Metal Products	4.3	4.2	4.2	4.2	4.4	4.3	4.3	4.1	4.2	4.3	4.4	4.4	4.4
Industrial Machinery and Equipment	19.0	19.2	19.2	19.1	18.9	19.0	19.0	18.9	19.0	19.0	19.1	18.9	18.9
Electronic and Other Electric Equipment	8.0	8.2	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.9	8.0	7.8	7.7
Transportation Equipment	24.9	24.7	24.7	24.8	24.9	24.9	25.2	25.2	25.1	25.1	25.0	24.9	24.6
Motor Vehicles and Equipment	5.0	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.0	5.1	5.1	5.1	4.8
Instruments and Related Products	3.8	3.7	3.8	3.8	3.9	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.8
Nondurable Goods[d]	68.3	67.3	67.3	67.4	67.1	67.4	68.4	68.3	68.5	69.0	69.4	70.0	69.9
Food and Kindred Products	11.9	11.8	11.9	11.8	11.8	11.9	12.0	11.9	11.8	11.8	11.8	11.9	12.0
Beverages	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.8	2.8
Apparel and Other Textile Products	3.4	3.4	3.5	3.5	3.3	3.3	3.3	3.3	3.2	3.3	3.2	3.5	3.4
Paper and Allied Products	6.1	6.0	6.1	6.1	5.7	5.7	5.9	6.0	6.1	6.2	6.2	6.3	6.4
Printing and Publishing	14.7	14.5	14.4	14.6	14.5	14.5	14.6	14.6	14.7	14.9	15.0	15.2	15.2
Commercial Printing	6.1	6.1	5.9	6.0	5.9	5.9	5.9	6.0	6.0	6.1	6.2	6.3	6.4
Chemicals and Allied Products	23.1	22.6	22.6	22.6	22.7	22.8	23.1	23.3	23.3	23.3	23.6	23.6	23.7
Rubber and Miscellaneous Plastics Products	6.7	6.5	6.4	6.4	6.5	6.6	6.8	6.6	6.7	6.9	6.9	6.9	6.7
Service-Producing Industries	561.6	542.8	545.8	552.1	557.2	564.4	567.5	562.8	563.3	568.1	569.4	570.6	575.7
Transportation and Public Utilities	41.2	40.1	40.2	40.6	40.6	41.0	41.2	41.2	41.4	42.0	41.8	41.8	42.1
Transportation	24.5	23.7	23.8	24.2	24.1	24.4	24.5	24.4	24.6	25.2	25.1	25.1	25.3
Trucking and Warehousing	10.7	10.4	10.4	10.6	10.4	10.6	10.7	10.6	10.7	10.9	10.8	10.9	11.0
Transportation by Air	7.2	6.9	6.9	6.9	7.0	7.1	7.0	7.3	7.4	7.4	7.4	7.5	7.6
Communications, Electric, Gas Services	16.6	16.4	16.4	16.4	16.5	16.6	16.7	16.7	16.8	16.8	16.7	16.7	16.7
Communications	9.9	9.9	9.9	9.9	10.0	10.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9
Wholesale Trade	48.6	48.4	48.2	48.5	48.5	48.4	48.9	48.8	48.5	48.4	48.5	48.6	49.0
Wholesale Trade-Durable Goods	28.0	28.1	28.0	28.2	28.0	27.9	28.1	28.0	27.9	27.8	27.9	27.9	28.1
Retail Trade	140.9	138.1	136.4	138.1	139.2	140.1	141.2	141.1	142.0	141.6	141.8	144.2	147.1
General Merchandise Stores	21.5	21.7	20.6	21.5	20.9	20.9	21.0	20.8	20.9	21.1	21.6	22.8	23.8
Finance, Insurance, and Real Estate	43.8	42.8	43.0	43.2	43.4	43.6	44.2	44.4	44.5	44.2	43.9	43.9	44.3
Finance	17.7	17.5	17.5	17.7	17.7	17.7	17.7	17.8	17.8	17.7	17.8	17.9	17.9

See footnotes at end of table.

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Depository Institutions	13.3	13.2	13.2	13.2	13.2	13.3	13.3	13.4	13.4	13.3	13.4	13.4	13.5
Commercial Banks	9.4	9.3	9.3	9.3	9.3	9.3	9.4	9.4	9.5	9.4	9.5	9.6	9.6
Insurance	17.1	17.1	17.1	17.2	17.1	17.1	17.2	17.2	17.0	17.0	17.0	17.1	17.4
Insurance Carriers	14.4	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.3	14.3	14.3	14.4	14.6
Life Insurance	6.7	6.8	6.8	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.7	6.7	6.9
Fire, Marine, and Casualty Insurance	5.4	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.5	5.5
Services	193.1	180.9	183.0	186.1	190.0	193.7	198.0	197.8	198.5	198.9	198.2	195.6	196.4
Hotels and Other Lodging Places	7.5	7.0	7.0	7.2	7.2	7.4	7.9	7.9	8.0	7.7	7.6	7.6	7.7
Personal Services	8.6	8.7	8.8	8.9	9.0	8.5	8.5	8.5	8.4	8.5	8.6	8.5	8.7
Business Services	38.5	36.3	36.2	36.6	37.3	38.5	39.0	39.3	39.8	39.8	39.8	39.4	39.3
Services to Buildings	6.2	6.2	6.4	6.4	6.2	6.3	6.3	6.1	6.2	6.1	6.1	6.1	6.1
Computer and Data Processing Services	5.1	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.2	5.2	5.2	5.3	5.4
Amusements, Including Motion Pictures	12.4	8.6	8.5	8.9	11.7	13.5	15.5	15.4	15.2	15.0	13.4	11.2	11.5
Health Services	58.7	57.1	57.6	57.7	57.7	58.1	58.8	59.2	59.4	59.5	59.6	59.9	60.2
Nursing and Personal Care Facilities	11.3	11.0	11.2	11.1	11.1	11.2	11.4	11.4	11.5	11.5	11.5	11.5	11.5
Hospitals	28.0	27.4	27.6	27.7	27.5	27.7	28.1	28.2	28.2	28.2	28.2	28.4	28.5
Legal Services	4.4	4.1	4.2	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5
Educational Services	7.3	6.9	7.4	7.7	7.5	7.5	7.1	6.5	6.3	7.3	7.8	8.0	7.8
Social Services	13.0	12.6	12.7	12.9	12.8	12.9	12.9	13.1	13.2	13.2	13.1	13.2	13.3
Residential Care	4.7	4.6	4.7	4.7	4.6	4.6	4.7	4.7	4.8	4.8	4.7	4.7	4.7
Engineering and Management Services	17.8	16.5	17.2	17.7	17.6	17.6	18.0	17.9	18.1	18.1	18.3	18.3	18.4
Engineering and Architectural Services	6.1	5.6	5.8	6.0	6.0	6.0	6.2	6.1	6.2	6.2	6.3	6.2	6.3
Government	94.2	92.4	95.0	95.7	95.6	97.4	94.0	89.5	88.3	93.0	95.3	96.6	96.9
Federal Government	16.6	16.2	17.4	17.6	17.7	18.2	16.7	16.4	15.9	15.9	15.7	15.7	16.1
State Government	21.2	21.3	21.7	21.8	21.7	21.7	21.1	19.6	19.7	20.1	21.2	22.1	22.2
State Government Education[e]	13.0	13.3	13.7	13.7	13.6	[f]	12.7	11.3	11.3	11.8	13.1	14.0	14.1
Local Government	56.3	54.9	55.9	56.3	56.1	57.6	56.2	53.5	52.7	57.0	58.3	58.8	58.6
Local Government Education	31.9	31.8	32.7	32.8	32.3	33.3	31.3	27.7	27.2	32.2	33.6	34.0	34.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-3 (1990)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	724.5	701.9	704.5	713.1	717.7	723.7	730.6	726.1	728.5	736.1	734.9	736.1	741.2
Goods-Producing Industries[b]	180.5	175.7	175.0	176.8	178.4	179.6	182.2	182.8	183.7	183.5	183.3	182.9	181.9
Construction	33.8	30.7	30.4	31.7	33.0	34.4	35.3	35.7	36.2	35.7	35.0	34.5	33.4
Manufacturing	146.2	144.6	144.2	144.8	144.9	144.8	146.4	146.7	147.1	147.3	147.9	148.0	148.1
Durable Goods[c]	79.2	78.4	77.9	78.3	78.8	78.7	79.3	79.4	79.7	79.8	80.1	80.2	80.1
Fabricated Metal Products	12.2	12.2	12.1	12.1	12.3	12.3	12.3	12.3	12.1	12.0	12.2	12.2	12.1
Fabricated Structural Metal Products	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.3	4.3	4.3	4.4	4.3	4.3
Industrial Machinery and Equipment	19.3	19.3	19.2	19.3	19.4	19.2	19.3	19.2	19.2	19.3	19.5	19.4	19.5
Electronic and Other Electric Equipment	7.9	7.7	7.7	7.8	7.8	7.8	7.9	8.0	7.9	8.0	8.1	8.1	8.2
Transportation Equipment	24.0	23.8	23.4	23.4	23.6	23.6	24.0	24.2	24.4	24.5	24.3	24.7	24.6
Motor Vehicles and Equipment	5.0	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.7	5.0	5.0
Instruments and Related Products	3.5	3.5	3.5	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7
Nondurable Goods[d]	67.0	66.3	66.3	66.5	66.2	66.2	67.2	67.3	67.4	67.5	67.8	67.8	67.9
Food and Kindred Products	11.9	11.9	11.7	11.8	11.9	11.7	11.9	12.0	12.0	12.0	11.8	11.8	11.9
Beverages	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.8	2.9
Apparel and Other Textile Products	3.6	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.5	3.5
Paper and Allied Products	5.9	5.8	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0
Printing and Publishing	14.3	13.7	14.0	14.0	14.0	14.0	14.2	14.3	14.4	14.5	14.7	14.8	14.8
Commercial Printing	6.2	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.2	6.2	6.3	6.3	6.3
Chemicals and Allied Products	22.5	22.5	22.5	22.5	22.1	22.1	22.5	22.5	22.4	22.4	22.6	22.6	22.7
Rubber and Miscellaneous Plastics Products	6.5	6.6	6.5	6.5	6.4	6.5	6.6	6.5	6.5	6.5	6.5	6.5	6.5
Service-Producing Industries	544.1	526.2	529.5	536.3	539.4	544.0	548.4	543.3	544.8	552.7	551.6	553.2	559.3
Transportation and Public Utilities	39.2	37.7	37.9	38.3	38.7	38.9	39.3	39.4	39.4	40.0	39.8	40.1	40.3
Transportation	23.1	22.0	22.1	22.5	22.9	23.1	23.2	23.1	23.1	23.7	23.6	24.0	24.1
Trucking and Warehousing	10.4	9.8	9.9	10.0	10.4	10.4	10.5	10.5	10.5	10.7	10.6	10.7	10.9
Transportation by Air	6.2	5.8	5.8	5.9	6.0	6.0	6.1	6.3	6.4	6.4	6.5	6.6	6.7
Communications, Electric, Gas Services	16.0	15.7	15.7	15.8	15.8	15.9	16.1	16.4	16.3	16.3	16.2	16.1	16.1
Communications	9.8	9.7	9.7	9.7	9.8	9.7	9.8	9.9	9.9	9.9	9.8	9.7	9.7
Wholesale Trade	47.8	46.7	46.9	47.3	47.1	47.3	47.9	48.3	48.4	48.3	48.3	48.3	48.3
Wholesale Trade-Durable Goods	28.3	28.2	28.3	28.4	28.1	28.0	28.2	28.5	28.7	28.5	28.4	28.2	28.1
Retail Trade	140.6	136.0	135.3	137.6	138.4	140.1	142.1	142.1	142.1	141.8	140.6	143.6	147.4
General Merchandise Stores	21.2	19.9	19.8	20.4	20.4	20.6	21.0	20.8	21.0	21.4	21.4	22.8	24.4
Finance, Insurance, and Real Estate	42.9	41.7	41.9	42.2	42.5	42.7	43.2	43.5	43.8	43.8	43.2	43.2	43.4
Finance	17.4	17.0	17.1	17.2	17.2	17.2	17.3	17.5	17.5	17.5	17.6	17.6	17.7

See footnotes at end of table.

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Depository Institutions	13.4	13.3	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.4	13.5
Commercial Banks	9.4	9.2	9.3	9.3	9.3	9.3	9.4	9.5	9.5	9.4	9.4	9.4	9.4
Insurance	17.1	17.1	17.0	17.1	17.2	17.2	17.3	17.3	17.3	17.2	17.0	17.1	17.1
Insurance Carriers	14.5	14.5	14.5	14.5	14.5	14.4	14.5	14.6	14.6	14.6	14.4	14.4	14.4
Life Insurance	6.9	7.0	7.0	7.0	7.0	7.0	7.0	6.9	7.0	6.9	6.8	6.8	6.8
Fire, Marine, and Casualty Insurance	5.2	5.0	5.0	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.3	5.4	5.4
Services	183.6	174.2	175.8	179.1	180.6	182.8	186.3	187.0	188.1	189.3	187.9	185.3	186.4
Hotels and Other Lodging Places	7.4	6.7	6.8	7.1	7.3	7.4	7.6	8.0	7.9	7.6	7.5	7.3	7.3
Personal Services	8.3	8.4	8.5	8.6	8.7	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.4
Business Services	36.5	35.5	35.8	36.5	35.4	35.4	35.9	36.6	37.1	37.7	38.0	37.4	37.2
Services to Buildings	5.9	5.6	5.9	5.9	5.7	5.8	5.8	5.9	6.0	6.0	6.3	6.1	6.2
Computer and Data Processing Services	4.5	4.3	4.3	4.4	4.3	4.4	4.4	4.6	4.6	4.7	4.7	4.7	4.8
Amusements, Including Motion Pictures	11.6	8.6	8.1	9.0	11.0	12.9	14.4	14.0	14.1	14.1	12.0	10.2	10.7
Health Services	56.1	54.7	55.1	55.6	55.1	55.2	55.9	56.8	57.1	57.2	56.7	56.7	57.1
Nursing and Personal Care Facilities	10.8	10.5	10.6	10.8	10.7	10.7	10.9	10.7	10.8	10.8	10.8	10.8	10.8
Hospitals	27.1	26.5	26.8	27.0	26.5	26.5	26.8	27.7	27.7	27.6	27.2	27.1	27.4
Legal Services	4.2	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.3	4.3	4.4	4.3	4.3
Educational Services	7.1	6.9	7.3	7.4	7.3	7.2	6.7	6.2	6.2	7.0	7.7	7.9	7.8
Social Services	12.0	11.7	11.7	11.8	11.7	11.8	11.9	11.9	12.1	12.2	12.2	12.3	12.5
Residential Care	4.6	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.6	4.7
Engineering and Management Services	16.5	15.6	16.0	16.0	16.1	16.4	16.7	16.6	16.7	16.9	17.1	17.1	17.3
Engineering and Architectural Services	5.6	5.5	5.5	5.3	5.4	5.5	5.7	5.5	5.6	5.7	5.7	5.7	5.7
Government	90.1	89.8	91.8	91.8	92.1	92.1	89.7	83.0	83.0	89.5	91.8	92.8	93.5
Federal Government	15.9	16.0	17.1	17.1	17.0	16.1	15.8	15.3	15.2	15.1	15.2	15.5	15.8
State Government	20.6	20.4	20.8	20.9	20.9	20.8	20.4	18.7	19.7	19.9	21.2	21.5	21.5
State Government Education[e]	12.6	12.6	13.0	13.0	13.0	12.8	12.4	10.5	11.4	11.8	13.1	13.5	13.5
Local Government	53.6	53.4	53.9	53.8	54.2	55.3	53.4	49.0	48.2	54.4	55.5	55.7	56.1
Local Government Education	30.0	30.6	31.3	31.1	30.9	31.6	29.1	24.1	23.6	30.6	31.8	32.0	32.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-3 (1989)

Cincinnati PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.03	$11.73	$11.73	$11.91	$11.74	$12.00	$12.11	$12.02	$12.18	$12.20	$12.21	$12.21	$12.35
Durable Goods[b]	11.87	11.41	11.50	11.69	11.51	11.88	11.95	11.77	12.04	12.13	12.16	12.23	12.20
Fabricated Metal Products	10.14	9.75	9.88	9.88	9.78	10.26	10.16	10.28	10.25	10.37	10.41	10.46	10.25
Fabricated Structural Metal Products	11.07	10.32	10.42	10.57	10.35	11.33	11.05	11.50	11.55	11.58	11.58	11.53	11.01
Industrial Machinery and Equipment	11.14	10.95	11.03	10.94	10.82	11.02	11.05	11.10	11.14	11.39	11.35	11.39	11.46
Electronic and Other Electric Equipment	9.42	9.26	9.10	9.34	9.17	9.36	9.13	9.54	9.53	9.66	9.55	9.63	9.83
Transportation Equipment	16.90	16.12	16.25	16.75	16.59	16.96	17.25	16.52	17.30	17.24	17.33	17.36	17.06
Motor Vehicles and Equipment	18.26	17.35	17.12	18.28	17.89	18.62	19.05	17.39	18.91	18.88	18.78	18.44	17.87
Instruments and Related Products	9.19	8.35	8.58	8.58	8.81	8.88	9.00	9.42	9.49	9.71	9.67	9.87	9.94
Nondurable Goods[c]	12.19	12.05	11.96	12.13	11.98	12.12	12.26	12.26	12.31	12.26	12.26	12.19	12.48
Food and Kindred Products	11.66	11.79	11.57	11.68	11.58	11.63	11.62	11.56	11.49	11.62	11.68	11.79	11.95
Beverages	13.54	13.25	13.28	13.50	13.63	13.62	13.58	13.38	13.41	13.53	13.59	13.77	13.90
Apparel and Other Textile Products	6.75	6.48	6.40	6.64	6.91	6.81	6.78	6.72	6.82	6.86	6.89	6.80	6.90
Paper and Allied Products	10.92	10.89	10.85	10.80	10.64	10.69	10.89	10.87	10.94	10.99	11.04	11.06	11.30
Printing and Publishing	12.28	12.00	12.30	12.09	11.98	12.07	12.20	12.41	12.38	12.52	12.40	12.53	12.47
Commercial Printing	12.36	11.90	12.43	12.17	11.90	11.97	12.19	12.47	12.55	12.78	12.40	12.77	12.65
Chemicals and Allied Products	14.72	14.58	14.28	14.72	14.42	14.70	14.90	14.76	14.94	14.75	14.84	14.67	15.04
Rubber and Miscellaneous Plastics Products	9.81	9.70	9.93	9.71	9.76	9.91	9.99	10.00	9.90	10.05	9.82	9.37	9.58
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.82	14.55	14.51	14.46	14.76	14.67	14.78	14.93	14.74	15.04	15.08	15.18	15.08
Communications	15.11	14.84	14.94	14.90	15.08	14.88	15.04	15.28	15.10	15.44	15.32	15.30	15.23
Wholesale Trade	11.20	11.03	11.11	11.11	11.15	11.17	11.19	11.27	11.31	11.35	11.29	11.22	11.22
Retail Trade[d]	6.26	6.12	6.19	6.17	6.20	6.25	6.29	6.26	6.27	6.35	6.35	6.35	6.35
General Merchandise Stores	7.30	6.97	7.14	7.21	7.24	7.27	7.26	7.31	7.33	7.49	7.41	7.38	7.51
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	13.26	13.15	13.13	13.10	13.19	13.23	13.19	13.39	13.21	13.37	13.33	13.41	13.41
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	15.87	15.77	15.94	15.93	15.96	15.87	15.70	15.68	15.79	15.89	15.94	15.94	16.04

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-3 (1990)

Cincinnati PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.1	42.8	42.5	43.3	41.8	43.3	43.6	43.0	43.5	43.4	43.1	43.2	43.1
Durable Goods[b]	43.1	42.8	42.8	43.8	42.0	43.7	43.8	42.8	43.5	43.5	43.1	43.4	42.5
Fabricated Metal Products	42.9	42.4	42.6	43.4	42.2	44.2	42.8	43.0	43.0	43.2	42.8	43.8	41.6
Fabricated Structural Metal Products	44.7	43.1	43.3	45.4	43.9	48.2	43.7	45.5	44.7	45.0	45.5	45.9	42.0
Industrial Machinery and Equipment	42.4	42.6	43.2	42.7	41.1	42.3	42.3	42.3	42.3	42.5	42.1	43.0	42.7
Electronic and Other Electric Equipment	41.4	41.7	40.5	43.0	40.9	42.4	41.3	41.5	40.6	41.8	40.6	40.6	41.6
Transportation Equipment	46.5	45.0	45.0	47.2	43.8	47.4	48.5	44.7	48.1	47.9	47.6	47.0	45.2
Motor Vehicles and Equipment	47.8	45.7	43.5	49.3	46.2	51.0	52.4	42.6	52.7	51.2	50.8	45.9	42.0
Instruments and Related Products	43.5	43.1	42.4	43.4	42.2	42.4	43.7	44.4	43.3	44.5	43.9	43.6	45.3
Nondurable Goods[c]	42.9	42.8	42.2	42.8	41.5	42.9	43.3	43.3	43.4	43.3	43.1	42.9	43.6
Food and Kindred Products	42.8	43.7	41.9	43.2	42.0	42.9	43.2	42.3	42.0	42.9	42.5	43.0	43.5
Beverages	42.1	43.3	42.7	43.1	43.2	43.0	42.6	42.0	41.3	41.0	41.0	40.8	41.0
Apparel and Other Textile Products	38.9	39.2	38.9	37.9	38.9	40.2	38.2	38.2	38.3	39.3	39.6	39.7	38.5
Paper and Allied Products	42.2	42.4	41.8	41.3	40.4	41.9	42.8	42.6	42.2	42.5	42.3	42.9	43.2
Printing and Publishing	42.1	41.5	43.3	42.2	41.1	41.3	41.3	41.9	42.0	42.6	42.1	42.9	42.5
Commercial Printing	44.6	42.9	46.3	44.9	42.9	43.2	43.8	44.4	45.0	46.0	44.1	46.3	45.8
Chemicals and Allied Products	44.5	44.4	42.4	44.5	42.9	44.6	45.8	45.8	46.2	44.1	43.9	43.7	45.9
Rubber and Miscellaneous Plastics Products	43.3	42.0	43.1	42.9	40.7	44.0	43.8	43.3	44.4	46.3	46.4	41.5	41.3
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.0	39.9	39.2	39.4	39.8	39.7	40.3	40.7	39.9	40.1	40.1	40.6	40.2
Communications	38.9	38.9	38.5	38.7	38.9	38.8	39.3	39.6	38.9	39.4	38.7	38.7	38.6
Wholesale Trade	39.5	39.4	39.4	39.6	39.4	39.6	39.2	39.4	39.5	39.5	39.7	39.9	39.6
Retail Trade	28.2	27.5	27.6	28.1	28.1	28.2	28.5	28.7	28.5	28.0	27.9	28.0	28.7
General Merchandise Stores	30.2	30.0	29.3	29.9	30.1	30.2	30.4	30.9	30.4	30.0	29.5	29.2	32.4
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	32.8	32.7	32.6	32.8	32.7	32.8	32.9	32.8	32.8	32.8	32.7	32.7	32.7
Engineering and Management Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Engineering and Architectural Services	41.1	40.7	41.0	41.6	41.4	40.9	40.8	41.6	41.1	41.0	40.8	41.0	41.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-3 (1990)

Cincinnati PMSA

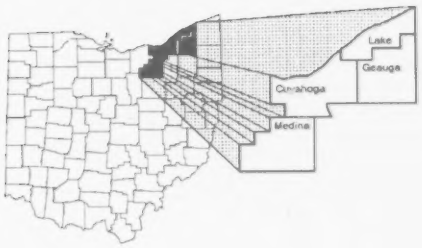
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$518.49	$502.04	$498.53	$515.70	$490.73	$519.60	$528.00	$516.86	$529.83	$529.48	$526.25	$527.47	$532.29
Durable Goods[b]	511.60	488.35	492.20	512.02	483.42	519.16	523.41	503.76	523.74	527.66	524.10	530.78	518.50
Fabricated Metal Products	435.01	413.40	420.89	428.79	412.72	453.49	434.85	442.04	440.75	447.98	445.55	458.15	426.40
Fabricated Structural Metal Products	494.83	444.79	451.19	479.88	454.37	546.11	482.89	523.25	516.29	521.10	526.89	529.23	462.42
Industrial Machinery and Equipment	472.34	466.47	476.50	467.14	444.70	466.15	467.42	469.53	471.22	484.08	477.84	489.77	489.34
Electronic and Other Electric Equipment	389.99	386.14	368.55	401.62	375.05	396.86	377.07	395.91	386.92	403.79	387.73	390.98	408.93
Transportation Equipment	785.85	725.40	731.25	790.60	726.64	803.90	836.63	738.44	832.13	825.80	824.91	815.92	771.11
Motor Vehicles and Equipment	872.83	792.90	744.72	901.20	826.52	949.62	998.22	740.81	996.56	966.66	954.02	846.40	750.54
Instruments and Related Products	399.77	359.89	363.79	372.37	371.78	376.51	393.30	418.25	410.92	432.10	424.51	430.33	450.28
Nondurable Goods[c]	522.95	515.74	504.71	519.16	497.17	519.95	530.86	530.86	534.25	530.86	528.41	522.95	544.13
Food and Kindred Products	499.05	515.22	484.78	504.58	486.36	498.93	501.98	488.99	482.58	498.50	496.40	506.97	519.83
Beverages	570.03	573.73	567.06	581.85	588.82	585.66	578.51	561.96	553.83	554.73	557.19	561.82	569.90
Apparel and Other Textile Products	262.58	254.02	248.96	251.66	268.80	273.76	259.00	256.70	261.21	269.60	272.84	269.96	265.65
Paper and Allied Products	460.82	461.74	453.53	446.04	429.86	447.91	466.09	463.06	461.67	467.08	466.99	474.47	488.16
Printing and Publishing	516.99	498.00	532.59	510.20	492.38	498.49	503.86	519.98	519.96	533.35	522.04	537.54	529.98
Commercial Printing	551.26	510.51	575.51	546.43	510.51	517.10	533.92	553.67	564.75	587.88	546.84	591.25	579.37
Chemicals and Allied Products	655.04	647.35	605.47	655.04	618.62	655.62	682.42	676.01	690.23	650.48	651.48	641.08	690.34
Rubber and Miscellaneous Plastics Products	424.77	407.40	427.98	416.56	397.23	436.04	437.56	433.00	439.56	465.32	455.65	388.86	395.65
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	592.80	580.55	568.79	569.72	587.45	582.40	595.63	607.65	588.13	603.10	604.71	616.31	606.22
Communications	587.78	577.28	575.19	576.63	586.61	577.34	591.07	605.09	587.39	608.34	592.88	592.11	587.88
Wholesale Trade	442.40	434.58	437.73	439.96	439.31	442.33	438.65	444.04	446.75	448.33	448.21	447.68	444.31
Retail Trade[d]	176.53	168.30	170.84	173.38	174.22	176.25	179.27	179.66	178.70	177.80	177.17	177.80	182.25
General Merchandise Stores	220.46	209.10	209.20	215.58	217.92	219.55	220.70	225.88	222.83	224.70	218.60	215.50	243.32
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	302.80	303.43	302.94	299.26	301.48	302.19	303.35	306.89	304.58	301.49	304.89	300.40	302.60
Commercial Banks	272.51	273.04	272.10	271.23	273.42	272.79	273.27	273.96	272.15	269.56	275.69	268.89	274.12
Insurance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Insurance Carriers	414.33	407.47	409.27	410.40	414.19	415.21	415.22	414.65	415.11	415.40	416.52	415.93	422.26
Life Insurance	420.68	418.13	420.00	419.57	423.32	424.68	425.19	425.53	422.77	419.83	416.87	414.17	418.43
Fire, Marine, and Casualty Insurance	429.50	418.44	421.73	421.28	425.47	430.99	425.71	422.65	425.81	431.34	436.08	438.40	452.75
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	434.93	430.01	428.04	429.68	431.31	433.94	433.95	439.19	433.29	438.54	435.89	438.51	438.51
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	652.26	641.84	653.54	662.69	660.74	649.08	640.56	652.29	648.97	651.49	650.35	653.54	664.06

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [†]Depressed due to labor-management disputes during part of pay period. [§]Not comparable to previous estimates.

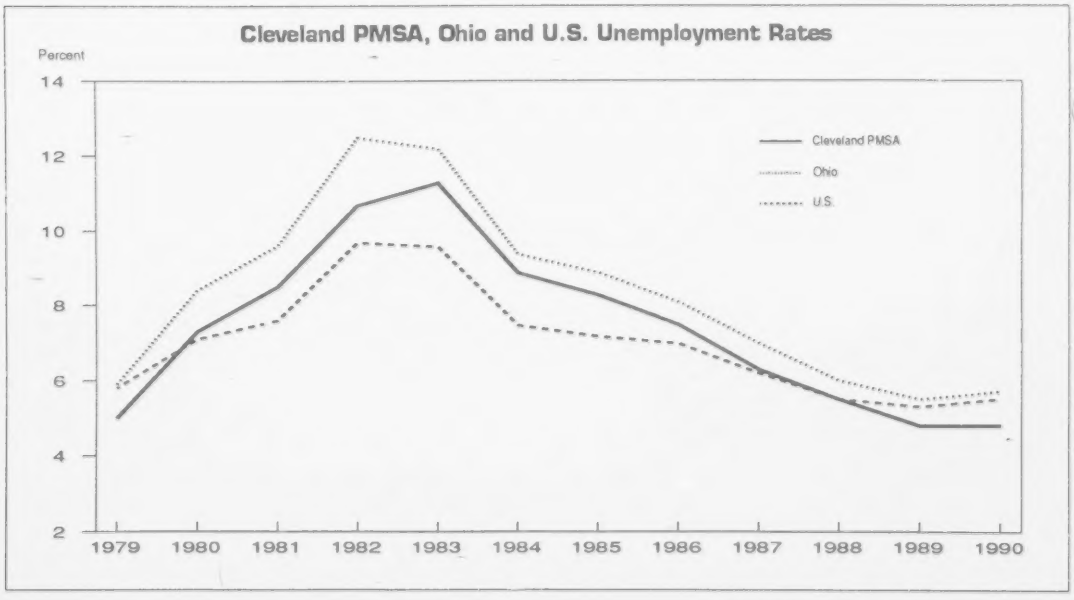
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-3 (1990)

Cleveland Primary Metropolitan Statistical Area



In the Cleveland metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 1,300 from 1989 to 954,800 in 1990. Total employment, at 909,100, rose 1,600 over the year, while the number of unemployed workers decreased 300. The unemployment rate was unchanged from the 1989 level at 4.8 percent in 1990.

Nonagricultural wage and salary employment advanced 14,400 above the year-ago level to 950,200 in 1990, a 1.5 percent gain. Expansion in the service-producing sector contributed 95.1 percent of the improvement. Leading growth industries were services (+6,300) and retail trade (+4,300). Noteworthy increases were posted in local government, finance, insurance, and real estate, and transportation and public utilities. Employment in wholesale trade declined. The number of jobs in goods-producing industries rose 700 in 1990 to 242,200 as growth in construction outweighed cutbacks in manufacturing. Over-the-year reductions in primary metal industries, industrial machinery and equipment, and transportation equipment negated improvements in printing and publishing and chemicals and allied products.



Cleveland PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

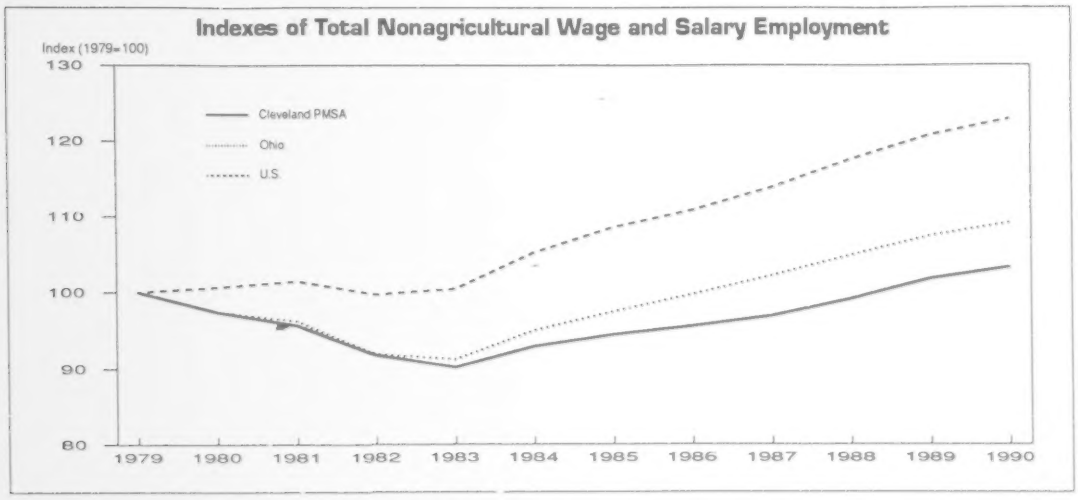
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
935.8	889.1	46.7	5.0	5.9	5.8	1979	919.8	311.5	608.4
937.1	869.1	68.0	7.3	8.4	7.1	1980	895.7	286.1	609.5
933.9	854.0	79.8	8.5	9.6	7.6	1981	880.7	275.7	605.0
933.4	833.2	100.2	10.7	12.5	9.7	1982	844.6	249.2	595.4
928.7	823.4	105.3	11.3	12.2	9.6	1983	829.8	233.8	596.0
923.6	841.0	82.6	8.9	9.4	7.5	1984	854.5	242.6	611.8
926.0	849.2	76.8	8.3	8.9	7.2	1985	868.7	239.9	628.8
932.8	862.7	70.1	7.5	8.1	7.0	1986	879.2	232.3	646.9
927.0	869.0	58.0	6.3	7.0	6.2	1987	891.6	230.1	661.5
936.5	885.0	51.4	5.5	6.0	5.5	1988	911.3	233.6	677.7
953.5	907.5	46.0	4.8	5.5	5.3	1989	935.8	241.5	694.3
954.8	909.1	45.7	4.8	5.7	5.5	1990	950.2	242.2	708.0

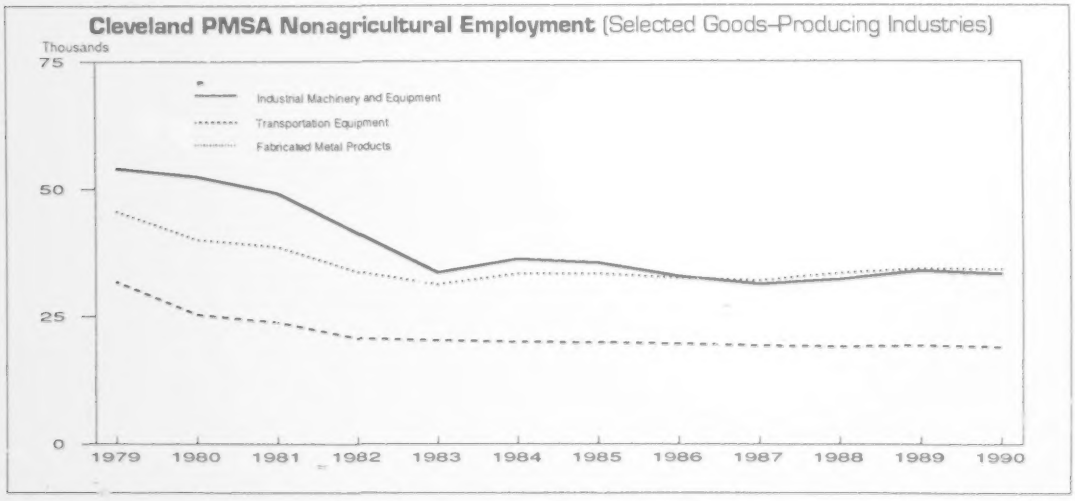
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

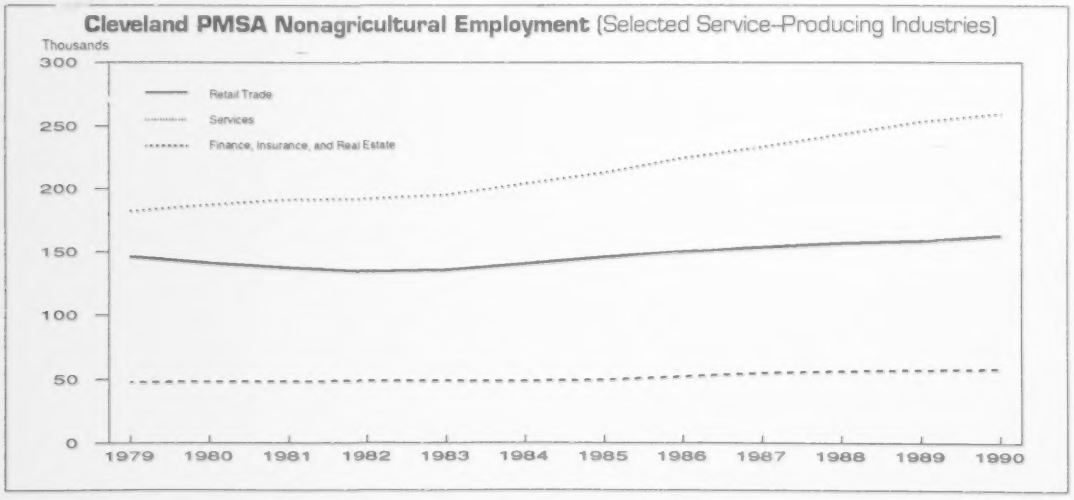
Nonfarm payroll employment in the Cleveland area gained 120,400 jobs since the 1983 economic downturn. Significant expansion occurred in services (+64,000) and retail trade (+27,100). Noteworthy growth was posted in finance, insurance, and real estate, construction, and wholesale trade. From 1979 to 1990, employment rose 30,300 or 3.3 percent. During the same period, the area lost 69,700 manufacturing jobs. Transportation and public utilities declined 4,900.

Cleveland PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
33.5	276.3	1979	47.8	65.5	146.5	1979	47.9	182.5	118.2
29.8	254.9	1980	45.9	64.1	141.1	1980	48.2	187.5	122.6
27.6	246.8	1981	44.8	63.0	137.4	1981	48.2	191.8	119.7
25.0	223.0	1982	43.0	60.8	134.3	1982	48.4	192.2	116.7
25.3	207.3	1983	40.9	59.1	135.7	1983	48.4	195.7	116.1
27.6	213.8	1984	41.6	61.5	140.7	1984	48.5	204.3	115.3
27.5	211.2	1985	41.1	63.0	146.2	1985	49.5	213.2	115.7
26.4	204.9	1986	41.4	62.1	150.5	1986	51.8	224.8	116.2
28.4	200.6	1987	41.5	61.1	153.7	1987	54.9	233.5	116.8
29.4	203.3	1988	41.5	63.7	156.9	1988	56.1	243.3	116.3
33.0	207.6	1989	42.1	65.3	158.6	1989	57.1	253.4	117.9
34.7	206.6	1990	42.9	65.1	162.8	1990	58.0	259.7	119.6


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Cleveland PMSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Cleveland PMSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
75
50
25
0
Industrial Machinery and Equipment
Transportation Equipment
Fabricated Metal Products
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Cleveland PMSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
300
250
200
150
100
50
0
Retail Trade
Services
Finance, Insurance, and Real Estate
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	950.2	925.5	927.7	936.9	940.9	953.2	965.2	962.7	956.3	960.3	959.4	956.5	957.6
Goods-Producing Industries[b]	242.2	236.1	237.2	239.0	240.1	242.5	246.2	246.5	245.0	246.1	245.7	242.2	239.7
Construction	34.7	29.9	30.1	31.3	32.6	34.7	36.8	37.8	38.1	37.8	37.3	36.1	34.3
Special Trade Contractors	24.1	20.9	21.0	21.8	22.6	24.0	25.5	26.3	26.4	26.0	25.8	25.2	24.1
Manufacturing	206.6	205.4	206.3	206.9	206.8	207.0	208.6	207.8	206.1	207.4	207.6	205.2	204.5
Durable Goods[c]	140.6	139.8	140.8	141.2	141.6	141.3	142.0	141.5	140.1	140.8	140.9	138.8	138.1
Stone, Clay, and Glass Products	3.6	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.6	3.6	3.7	3.5
Primary Metal Industries	20.4	20.8	20.4	20.6	20.4	20.3	20.5	20.3	20.3	20.5	20.3	20.3	20.1
Iron and Steel Foundries	4.4	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.2	4.4	4.4	4.4	4.5
Fabricated Metal Products	34.3	33.0	34.1	34.1	34.3	34.4	34.8	34.6	34.5	34.5	35.0	34.1	34.1
Screw Machine Products, Bolts, etc.	5.2	5.1	5.2	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Metal Forgings and Stampings	10.9	10.0	11.0	11.0	11.0	11.0	11.1	11.0	11.0	10.9	11.2	10.5	10.7
Industrial Machinery and Equipment	33.4	33.6	33.6	33.6	33.6	33.5	33.6	33.5	33.5	33.2	33.0	32.8	32.9
Metalworking Machinery	12.9	13.0	13.0	13.1	13.0	12.9	13.0	13.1	12.9	12.8	12.8	12.8	12.8
Electronic and Other Electric Equipment	15.4	15.6	15.6	15.6	15.6	15.5	15.6	15.6	15.4	15.4	15.2	15.2	15.2
Electrical Industrial Apparatus	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.2	4.1	4.1	4.1
Electric Lighting and Wiring Equipment	5.2	5.3	5.3	5.4	5.2	5.2	5.3	5.3	5.1	5.1	5.1	5.1	5.2
Transportation Equipment	19.0	18.9	19.4	19.4	19.5	19.5	19.4	19.4	18.6	19.3	19.3	18.2	17.6
Motor Vehicles and Equipment	11.5	11.4	11.9	11.9	12.0	11.9	11.9	11.8	11.1	11.9	11.8	10.7	10.1
Instruments and Related Products	7.3	7.2	7.2	7.2	7.3	7.3	7.2	7.3	7.1	7.1	7.3	7.4	7.4
Measuring and Controlling Devices	5.0	4.8	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.2	5.1	5.2
Nondurable Goods[d]	66.1	65.6	65.5	65.7	65.1	65.7	66.6	66.3	66.0	66.6	66.8	66.4	66.4
Food and Kindred Products	6.5	6.4	6.5	6.5	6.4	6.5	6.5	6.4	6.1	6.8	6.7	6.7	6.7
Apparel and Other Textile Products	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.3
Paper and Allied Products	5.9	5.9	5.9	5.8	5.9	5.9	6.0	5.9	5.9	5.9	6.0	6.0	6.0
Printing and Publishing	17.4	16.9	16.9	17.1	17.1	17.3	17.7	17.8	17.7	17.7	17.7	17.6	17.8
Chemicals and Allied Products	14.9	15.1	15.1	15.2	14.6	14.7	14.9	15.1	15.1	14.8	14.6	14.7	14.8
Rubber and Miscellaneous Plastics Products	11.8	11.7	11.6	11.6	11.7	11.8	12.0	11.6	11.7	11.8	12.1	11.8	11.6
Miscellaneous Plastics Products	7.4	7.1	7.1	7.1	7.2	7.3	7.5	7.3	7.4	7.5	7.8	7.7	7.6
Service-Producing Industries	708.0	689.4	690.5	697.9	700.8	710.8	719.0	716.2	711.3	714.2	713.7	714.3	718.0
Transportation and Public Utilities	42.9	42.1	41.7	42.2	42.6	43.3	43.2	43.3	43.1	43.2	43.0	43.0	43.4
Transportation	25.3	24.3	23.9	24.4	24.9	25.6	25.5	25.7	25.8	26.0	25.8	25.8	26.2
Trucking and Warehousing	11.5	11.1	11.2	11.3	11.2	11.4	11.4	11.5	11.6	11.6	11.6	11.7	12.1
Transportation by Air	5.3	5.1	5.2	5.3	5.2	5.2	5.3	5.2	5.3	5.4	5.3	5.4	5.4
Communications, Electric, Gas Services	17.5	17.8	17.8	17.8	17.8	17.7	17.7	17.6	17.4	17.3	17.2	17.2	17.2
Communications	10.4	10.5	10.5	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.3
Electric, Gas, and Sanitary Services	7.2	7.3	7.3	7.3	7.4	7.4	7.3	7.2	7.0	6.9	6.9	7.0	7.0

See footnotes at end of table.

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Wholesale Trade	65.1	64.2	64.1	64.4	64.8	65.1	65.8	65.6	65.7	65.3	65.4	65.2	65.3
Wholesale Trade-Durable Goods	44.6	43.9	43.9	44.2	44.4	44.6	45.0	45.0	45.0	44.8	44.9	44.7	44.8
Motor Vehicles, Parts, and Supplies	4.1	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Professional and Commercial Equipment	9.2	9.4	9.3	9.3	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	9.0
Retail Trade	162.8	159.1	156.7	157.6	159.0	161.9	164.4	164.6	165.2	164.8	164.7	166.2	169.8
General Merchandise Stores	20.6	21.2	19.9	19.8	19.9	20.3	20.5	20.2	20.2	20.4	20.8	21.6	22.5
Finance, Insurance, and Real Estate	58.0	56.9	57.1	57.5	57.4	57.8	58.5	58.8	58.9	58.5	58.3	58.1	58.1
Finance	27.9	27.9	27.8	27.9	27.7	27.8	28.0	28.2	28.2	27.8	27.7	27.7	27.6
Depository Institutions	20.5	20.5	20.4	20.4	20.3	20.4	20.6	20.8	20.8	20.5	20.4	20.3	20.3
Commercial Banks	13.0	12.8	12.9	12.8	12.9	13.0	13.2	13.3	13.3	13.1	13.0	12.9	12.9
Insurance	19.0	18.4	18.5	18.8	18.8	18.9	19.1	19.0	19.2	19.1	19.2	19.2	19.2
Insurance Carriers	14.2	13.7	13.9	14.0	14.1	14.2	14.3	14.3	14.4	14.4	14.4	14.4	14.4
Fire, Marine, and Casualty Insurance	6.3	6.1	6.2	6.3	6.3	6.3	6.4	6.3	6.4	6.3	6.3	6.3	6.3
Services	259.7	248.6	250.9	255.0	256.4	259.8	264.1	264.0	264.8	265.5	263.3	262.3	261.4
Business Services	52.4	49.5	50.1	50.9	51.2	52.5	53.4	53.7	54.1	54.2	53.3	52.8	52.6
Personnel Supply Services	19.5	18.2	18.6	19.3	18.8	19.7	19.9	20.0	20.3	20.4	20.1	19.7	19.4
Computer and Data Processing Services	6.6	6.2	6.3	6.3	6.5	6.5	6.7	6.9	6.8	6.9	6.8	6.9	6.9
Amusements, Including Motion Pictures	12.1	9.8	9.8	10.8	11.5	12.7	13.8	14.1	14.3	13.6	11.8	11.3	11.4
Health Services	80.1	79.0	79.1	79.5	79.6	79.6	80.3	80.6	80.8	80.9	80.7	80.6	80.9
Nursing and Personal Care Facilities	14.3	13.8	13.9	14.1	14.2	14.2	14.4	14.5	14.7	14.6	14.4	14.4	14.4
Hospitals	43.2	43.5	43.3	43.4	43.0	43.0	43.2	43.3	43.1	43.3	43.0	42.9	43.1
Legal Services	9.8	9.5	9.6	9.5	9.7	9.6	10.0	10.1	10.0	9.8	9.7	9.7	9.8
Educational Services	17.6	17.9	18.5	19.2	17.6	17.7	17.0	15.3	15.0	17.0	18.8	19.1	18.0
Social Services	15.0	14.2	14.4	14.5	14.9	14.9	15.0	15.1	15.1	15.3	15.3	15.4	15.6
Residential Care	4.1	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3
Engineering and Management Services	22.5	22.1	22.3	22.4	22.1	22.2	22.5	22.7	23.0	22.9	22.9	22.7	22.8
Engineering and Architectural Services	8.3	8.4	8.4	8.4	8.1	8.2	8.3	8.4	8.5	8.4	8.3	8.2	8.3
Accounting, Auditing, and Bookkeeping	6.3	6.3	6.4	6.4	6.4	6.2	6.2	6.3	6.4	6.4	6.4	6.4	6.4
Management and Public Relations	5.1	4.8	4.9	5.0	4.9	5.0	5.1	5.2	5.3	5.3	5.2	5.2	5.2
Government	119.6	118.4	119.9	121.3	120.6	122.8	123.1	119.9	113.7	116.9	119.0	119.5	119.9
Federal Government	20.4	20.5	20.3	20.5	20.7	22.2	21.1	20.6	20.0	19.7	19.7	19.7	19.9
State Government	8.2	7.9	8.3	8.5	8.5	8.1	8.7	7.9	8.0	7.8	8.3	8.3	8.6
State Government Education[e]	3.2	2.9	3.4	3.5	3.4	3.2	3.5	2.7	2.7	2.7	3.4	3.4	3.7
Local Government	90.9	90.0	91.3	92.3	91.4	92.5	93.3	91.3	85.7	89.5	91.0	91.5	91.4
Local Government Education	45.0	46.1	47.1	47.9	46.8	47.1	45.1	41.2	37.5	43.0	45.6	46.1	45.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-4 (1990)

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	935.8	908.4	911.5	920.7	921.7	933.7	944.8	948.9	947.5	947.7	946.2	947.9	950.8
Goods-Producing Industries[b]	241.5	233.8	234.1	236.4	238.1	241.6	244.8	245.6	245.8	246.1	244.6	244.2	242.7
Construction	33.0	27.5	27.1	28.7	31.1	33.3	35.1	36.7	36.8	36.5	35.8	34.9	33.1
Special Trade Contractors	22.6	18.5	18.3	19.2	20.8	22.5	23.8	25.3	25.6	25.5	24.7	24.2	23.1
Manufacturing	207.6	205.4	206.1	206.9	206.2	207.4	208.9	208.0	208.2	208.8	208.0	208.5	208.8
Durable Goods[c]	142.5	141.7	141.9	142.6	141.9	142.6	143.2	142.6	142.6	143.3	142.4	142.7	143.0
Stone, Clay, and Glass Products	3.6	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.6	3.7	3.6	3.5
Primary Metal Industries	21.3	21.3	21.1	21.2	21.2	21.4	21.4	21.5	21.6	21.7	21.3	21.2	21.0
Iron and Steel Foundries	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7	4.7	4.6	4.6	4.5	4.5
Fabricated Metal Products	34.4	34.7	34.6	34.7	34.2	34.2	34.4	34.3	34.2	34.2	34.0	34.2	34.5
Screw Machine Products, Bolts, etc.	5.2	5.2	5.1	5.2	5.2	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.2
Metal Forgings and Stampings	11.1	11.4	11.5	11.4	11.1	11.0	10.9	10.9	10.8	11.0	10.8	11.1	11.1
Industrial Machinery and Equipment	34.0	33.3	33.5	33.7	33.6	33.8	34.4	34.3	34.0	34.0	34.3	34.2	34.4
Metalworking Machinery	13.3	12.8	12.9	13.1	13.1	13.1	13.5	13.4	13.3	13.2	13.5	13.5	13.6
Electronic and Other Electric Equipment	15.6	15.5	15.5	15.7	15.3	15.4	15.5	15.4	15.5	15.5	15.6	15.8	15.9
Electrical Industrial Apparatus	4.3	4.2	4.3	4.4	4.3	4.3	4.4	4.4	4.4	4.4	4.3	4.3	4.4
Electric Lighting and Wiring Equipment	5.2	5.2	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.4
Transportation Equipment	19.3	19.2	19.3	19.4	19.5	19.7	19.4	19.0	19.2	19.6	19.3	19.3	19.3
Motor Vehicles and Equipment	12.0	12.0	12.1	12.1	12.2	12.3	12.0	11.6	11.8	12.1	11.9	11.9	11.9
Instruments and Related Products	7.1	6.9	6.9	6.9	7.1	7.2	7.3	7.2	7.2	7.2	7.1	7.1	7.1
Measuring and Controlling Devices	4.9	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8
Nondurable Goods[d]	65.1	63.8	64.2	64.3	64.3	64.9	55.7	65.4	65.5	65.5	65.6	65.7	65.8
Food and Kindred Products	6.7	6.6	6.6	6.6	6.6	6.6	6.7	6.8	6.7	6.8	6.7	6.7	6.8
Apparel and Other Textile Products	3.3	3.4	3.4	3.4	3.4	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.3
Paper and Allied Products	6.0	6.0	6.0	6.0	5.9	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.0
Printing and Publishing	16.7	16.1	16.4	16.4	16.4	16.7	16.9	16.5	16.5	16.7	16.9	17.1	17.3
Chemicals and Allied Products	14.7	14.3	14.4	14.5	14.5	14.6	14.8	14.9	15.0	14.8	14.7	14.7	14.7
Rubber and Miscellaneous Plastics Products	11.9	11.8	11.9	11.9	11.9	11.9	12.0	11.8	11.8	11.8	11.9	11.8	11.7
Miscellaneous Plastics Products	7.2	7.1	7.2	7.2	7.2	7.1	7.2	7.1	7.1	7.2	7.2	7.2	7.2
Service-Producing Industries	694.3	674.6	677.4	684.3	683.6	692.1	700.0	703.3	701.6	701.6	701.7	703.7	708.1
Transportation and Public Utilities	42.1	40.6	40.1	40.6	41.3	42.1	42.4	42.8	42.7	42.9	42.8	43.2	43.5
Transportation	24.5	23.2	22.8	23.3	23.9	24.5	24.8	25.0	24.9	25.2	25.2	25.5	25.8
Trucking and Warehousing	11.3	11.0	11.0	11.0	10.9	11.3	11.3	11.4	11.4	11.4	11.5	11.7	12.1
Transportation by Air	4.9	4.8	4.8	4.8	4.8	4.8	4.9	4.8	4.9	5.0	5.0	5.0	5.1
Communications, Electric, Gas Services	17.6	17.4	17.3	17.3	17.4	17.5	17.6	17.8	17.8	17.7	17.6	17.7	17.7
Communications	10.3	10.3	10.3	10.2	10.3	10.4	10.3	10.4	10.4	10.4	10.3	10.3	10.3
Electric, Gas, and Sanitary Services	7.2	7.1	7.1	7.1	7.1	7.2	7.3	7.4	7.4	7.4	7.3	7.3	7.3

See footnotes at end of table.

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Wholesale Trade	65.3	64.8	64.9	65.5	65.3	65.5	65.9	66.0	66.0	65.5	65.1	64.8	64.7
Wholesale Trade-Durable Goods	44.5	44.1	44.2	44.7	44.6	44.7	44.9	45.1	45.0	44.7	44.3	44.0	44.0
Motor Vehicles, Parts, and Supplies	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2
Professional and Commercial Equipment	9.1	8.8	8.9	9.0	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.3
Retail Trade	158.6	154.5	153.8	154.8	155.1	157.1	159.6	160.1	160.3	159.4	160.0	162.0	166.3
General Merchandise Stores	20.7	20.3	20.7	20.6	20.3	20.0	20.4	20.3	20.3	20.3	20.7	21.6	23.1
Finance, Insurance, and Real Estate	57.1	56.1	56.3	56.5	56.2	56.5	57.2	57.8	57.9	57.7	57.3	57.4	57.7
Finance	27.9	27.6	27.7	27.8	27.4	27.5	27.8	28.1	28.2	28.2	27.9	28.0	28.2
Depository Institutions	20.6	20.6	20.5	20.5	20.3	20.3	20.5	20.7	20.7	20.6	20.6	20.6	20.7
Commercial Banks	12.8	12.6	12.6	12.6	12.7	12.8	12.9	13.1	13.1	13.0	12.9	12.9	13.0
Insurance	18.4	18.1	18.2	18.2	18.4	18.3	18.5	18.7	18.6	18.6	18.5	18.5	18.7
Insurance Carriers	13.8	13.6	13.7	13.7	13.9	13.9	14.0	14.0	13.9	13.9	13.7	13.8	13.9
Fire, Marine, and Casualty Insurance	6.2	6.3	6.3	6.2	6.3	6.3	6.4	6.3	6.3	6.3	6.1	6.1	6.2
Services	253.4	242.3	244.8	247.9	249.9	252.2	255.0	258.2	259.5	259.8	257.6	257.0	256.3
Business Services	51.9	50.0	50.1	51.1	50.5	51.1	51.7	53.2	53.9	54.2	52.6	52.1	52.1
Personnel Supply Services	20.1	19.5	19.3	19.9	18.9	19.3	19.3	20.7	21.0	21.4	21.0	20.5	20.4
Computer and Data Processing Services	6.3	5.9	6.0	6.1	6.3	6.4	6.4	6.6	6.6	6.6	6.3	6.3	6.4
Amusements, Including Motion Pictures	11.8	9.2	9.3	9.9	11.2	12.5	13.6	14.1	14.3	13.6	11.8	11.3	11.3
Health Services	78.8	77.3	77.5	77.6	77.8	77.9	78.9	79.8	80.1	79.8	79.4	79.6	79.6
Nursing and Personal Care Facilities	13.4	12.9	13.1	13.2	13.1	13.2	13.3	13.5	13.7	13.6	13.5	13.6	13.5
Hospitals	43.9	43.5	43.4	43.5	43.5	43.5	44.1	44.5	44.6	44.3	43.9	43.9	43.8
Legal Services	9.4	9.1	9.1	9.2	9.2	9.3	9.7	9.7	9.7	9.6	9.6	9.6	9.6
Educational Services	17.9	17.8	19.2	19.3	19.1	18.7	16.7	15.3	14.9	16.8	19.0	19.4	18.6
Social Services	13.7	13.1	13.1	13.2	13.2	13.3	13.3	13.8	13.8	14.1	14.2	14.3	14.5
Residential Care	3.7	3.4	3.4	3.4	3.5	3.5	3.5	3.8	3.9	3.9	3.9	4.0	4.0
Engineering and Management Services	21.4	20.5	20.8	20.9	20.9	20.9	21.3	21.9	22.1	21.9	21.9	22.0	22.2
Engineering and Architectural Services	7.7	7.2	7.4	7.5	7.5	7.6	7.8	8.0	8.0	7.9	7.9	7.9	8.1
Accounting, Auditing, and Bookkeeping	6.6	6.6	6.7	6.6	6.6	6.4	6.4	6.5	6.6	6.5	6.6	6.6	6.6
Management and Public Relations	4.5	4.2	4.2	4.3	4.3	4.3	4.4	4.6	4.7	4.8	4.7	4.8	4.8
Government	117.9	116.4	117.4	119.0	115.7	118.7	119.8	118.4	115.3	116.3	118.9	119.4	119.6
Federal Government	20.7	20.7	20.6	20.7	20.5	20.7	20.9	20.8	20.9	20.7	20.4	20.5	20.7
State Government	8.0	7.8	8.2	8.3	8.5	8.0	8.0	7.7	7.7	7.5	8.1	7.9	8.4
State Government Education[e]	3.0	2.9	3.3	3.4	3.3	3.1	3.0	2.5	2.5	2.5	3.2	3.1	3.5
Local Government	89.2	87.9	88.6	90.1	86.7[f]	90.0	90.8	89.8	86.7	88.1	90.3	91.0	90.5
Local Government Education	45.1	45.2	46.1	47.2	46.2	46.6	44.8	42.2	39.5	43.9	46.3	47.0	46.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-4 (1989)

Cleveland PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.13	$11.71	$11.91	$12.16	$11.99	$12.28	$12.31	$12.14	$12.14	$12.31	$12.29	$12.18	$12.17
Durable Goods[b]	12.69	12.17	12.42	12.72	12.56	12.89	12.94	12.70	12.70	12.89	12.86	12.73	12.67
Stone, Clay, and Glass Products	11.91	11.78	11.72	11.88	11.91	11.95	11.85	11.92	12.04	12.16	11.92	11.84	11.92
Primary Metal Industries	12.30	11.96	11.98	12.27	12.42	12.50	12.66	11.88	12.05	12.57	12.28	12.53	12.50
Iron and Steel Foundries	18.27	17.30	17.48	13.28	18.85	18.98	19.22	17.36	17.93	19.01	17.96	18.48	18.03
Fabricated Metal Products	12.75	12.21	12.60	12.84	12.53	12.87	12.84	12.57	12.84	12.88	13.01	12.79	13.02
Screw Machine Products, Bolts, etc.	12.24	11.89	11.98	12.22	11.83	12.50	12.45	12.52	12.42	12.43	12.21	12.05	12.29
Metal Forgings and Stampings	15.60	14.90	15.45	15.76	15.35	15.81	15.77	15.17	15.76	15.72	15.86	15.71	15.85
Industrial Machinery and Equipment	12.32	11.78	11.92	12.29	12.17	12.50	12.45	12.40	12.48	12.42	12.52	12.57	12.33
Metalworking Machinery	12.08	11.71	12.04	12.24	12.08	12.31	12.26	11.95	11.94	12.14	12.25	12.12	11.79
Electronic and Other Electric Equipment	10.43	10.40	10.40	10.32	10.39	10.42	10.36	10.47	10.43	10.47	10.47	10.53	10.54
Electrical Industrial Apparatus	10.48	10.45	10.56	10.47	10.22	10.61	10.58	10.58	10.48	10.39	10.42	10.47	10.56
Electric Lighting and Wiring Equipment	10.23	9.95	9.90	9.87	9.94	10.02	10.00	10.25	10.32	10.53	10.58	10.67	10.74
Transportation Equipment	16.79	15.80	16.35	16.81	16.45	17.11	17.50	17.26	16.81	17.00	17.00	16.70	16.46
Motor Vehicles and Equipment	18.41	17.35	17.83	18.35	17.91	18.66	19.19	18.90	18.46	18.50	18.71	18.47	18.42
Instruments and Related Products	10.91	10.73	10.84	10.86	10.74	10.86	10.97	11.03	11.15	11.09	10.87	10.98	10.86
Measuring and Controlling Devices	11.01	11.00	10.96	10.94	10.91	10.96	11.04	11.01	11.08	11.15	10.83	10.90	11.27
Nondurable Goods[c]	10.71	10.57	10.60	10.67	10.51	10.66	10.65	10.68	10.71	10.85	10.87	10.82	10.93
Food and Kindred Products	11.17	11.34	10.95	10.96	10.92	11.19	11.16	11.15	11.22	11.39	11.11	11.35	11.27
Apparel and Other Textile Products	9.80	9.56	9.59	9.67	9.68	9.61	9.79	9.84	9.86	9.98	10.08	9.85	10.09
Paper and Allied Products	11.55	11.40	11.56	11.56	11.26	11.68	11.39	11.53	11.46	11.61	11.75	11.52	11.80
Printing and Publishing	10.28	9.95	10.04	10.31	10.16	10.23	10.36	10.11	10.22	10.40	10.56	10.49	10.54
Chemicals and Allied Products	12.90	12.68	12.73	12.75	12.73	12.79	12.78	12.83	12.92	13.14	13.18	13.16	13.14
Rubber and Miscellaneous Plastics Products	8.99	8.94	8.97	9.02	8.73	8.85	8.92	9.03	8.97	9.14	9.21	9.02	9.04
Miscellaneous Plastics Products	9.10	9.04	9.07	9.11	8.81	8.85	8.94	9.22	9.04	9.25	9.36	9.22	9.23
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	14.03	13.75	13.66	13.71	13.86	14.00	13.93	13.92	14.08	14.41	14.39	14.26	14.24
Communications, Electric, Gas Services	15.44	15.13	15.34	15.18	15.44	15.33	15.35	15.42	15.40	15.63	15.58	15.70	15.80
Wholesale Trade	11.76	11.57	11.61	11.63	11.63	11.60	11.77	11.77	11.82	11.91	11.88	11.94	11.99
Retail Trade[d]	6.92	6.79	6.85	6.91	6.92	6.91	6.88	6.85	6.86	6.92	7.04	7.08	7.03
General Merchandise Stores	6.80	6.84	6.73	6.88	6.82	6.76	6.79	6.64	6.56	6.85	6.89	6.92	6.84
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	10.77	10.44	10.51	10.55	10.63	10.65	10.83	10.88	10.87	10.97	11.00	11.00	10.93
Nursing and Personal Care Facilities	7.33	6.94	7.04	7.17	7.30	7.24	7.32	7.39	7.40	7.44	7.51	7.57	7.63
Hospitals	12.13	11.82	11.88	11.89	11.93	11.99	12.24	12.25	12.25	12.33	12.33	12.33	12.30

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-4 (1990)

Cleveland PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.7	42.3	42.2	43.0	41.6	43.3	43.4	42.4	42.7	43.1	42.9	42.6	42.4
Durable Goods[b]	43.3	42.7	42.7	43.9	42.3	44.4	44.4	43.0	43.5	43.7	43.5	43.1	42.8
Stone, Clay, and Glass Products	42.2	41.6	40.9	41.8	41.5	43.3	41.8	41.1	42.7	42.8	43.0	43.3	43.0
Primary Metal Industries	44.1	43.4	42.8	44.2	42.9	45.2	45.3	43.4	44.3	45.2	44.5	44.5	43.5
Iron and Steel Foundries	46.9	44.3	43.8	46.8	48.0	50.1	52.0	43.9	47.4	50.9	46.4	46.9	42.3
Fabricated Metal Products	42.9	42.7	42.4	43.1	41.6	43.8	43.6	42.2	43.0	43.4	43.7	42.6	43.2
Screw Machine Products, Bolts, etc.	42.9	43.1	42.1	44.1	41.4	44.0	44.0	43.1	42.9	43.1	42.5	41.0	43.2
Metal Forgings and Stampings	44.5	43.4	43.8	45.4	43.3	45.9	45.5	43.3	44.5	45.9	45.3	43.8	43.4
Industrial Machinery and Equipment	44.7	43.5	44.3	46.0	43.9	46.7	46.5	44.2	44.8	43.8	44.8	44.6	43.6
Metalworking Machinery	44.8	43.8	46.7	48.0	46.2	48.3	47.9	42.6	42.4	43.1	43.9	43.5	41.1
Electronic and Other Electric Equipment	40.6	41.1	40.6	40.2	40.1	40.4	40.0	40.6	40.7	40.5	40.6	41.3	41.5
Electrical Industrial Apparatus	42.7	41.9	41.6	42.0	40.1	43.1	43.4	44.1	43.6	42.4	42.7	43.8	43.8
Electric Lighting and Wiring Equipment	37.7	38.7	37.4	37.3	37.0	36.9	36.7	38.0	38.3	38.5	38.2	38.0	37.7
Transportation Equipment	43.9	42.0	43.1	44.8	42.3	45.7	46.1	45.1	44.1	45.8	43.9	42.5	41.5
Motor Vehicles and Equipment	44.2	41.6	42.6	45.1	42.8	46.7	47.9	46.2	45.3	46.1	43.8	41.6	39.7
Instruments and Related Products	41.4	41.0	41.3	41.5	40.0	41.5	41.4	42.0	42.4	42.4	40.6	41.4	41.4
Measuring and Controlling Devices	41.8	42.3	41.8	41.6	40.5	41.2	41.8	42.1	42.3	42.8	40.1	40.7	43.9
Nondurable Goods[c]	41.1	41.3	40.9	40.8	40.0	40.9	41.1	40.9	41.0	41.6	41.6	41.2	41.4
Food and Kindred Products	40.2	42.1	40.0	39.5	39.2	40.0	39.3	39.5	41.0	41.4	39.0	40.4	40.7
Apparel and Other Textile Products	38.6	39.1	38.3	38.5	38.0	37.6	37.7	38.8	37.7	38.6	40.6	38.5	39.6
Paper and Allied Products	44.4	44.5	44.7	44.5	41.7	44.6	44.0	44.5	43.9	45.1	45.5	44.2	46.1
Printing and Publishing	37.9	37.7	37.0	37.6	37.7	37.4	38.3	36.9	37.3	38.0	38.2	39.3	38.9
Chemicals and Allied Products	42.5	43.2	42.5	42.6	41.9	42.5	42.3	42.6	42.7	43.4	42.8	42.1	41.7
Rubber and Miscellaneous Plastics Products	42.0	41.9	42.1	41.9	40.1	41.7	42.8	42.3	42.0	42.9	43.1	41.4	41.7
Miscellaneous Plastics Products	42.6	42.6	43.2	42.4	40.5	41.9	42.6	43.0	42.2	43.4	43.8	42.2	42.8
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation	....	....	....	....	....	....	....	....	....	....	....	....	....
Trucking and Warehousing	35.3	33.8	34.2	34.3	35.4	36.7	36.2	35.9	34.9	36.8	35.7	34.9	35.0
Communications, Electric, Gas Services	41.2	41.1	40.8	40.3	40.4	40.5	40.5	40.7	40.9	42.0	41.9	42.2	43.1
Wholesale Trade	39.4	39.3	39.5	39.3	39.2	39.5	39.6	39.7	39.6	39.5	39.3	39.4	39.1
Retail Trade	27.7	26.9	27.0	27.2	27.4	27.6	28.0	28.3	28.2	28.0	27.4	27.4	28.4
General Merchandise Stores	28.2	27.5	27.1	27.5	27.4	27.7	27.5	27.9	28.6	28.9	28.3	28.0	31.2
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	31.2	31.1	31.1	31.2	31.4	31.1	31.2	31.5	31.5	31.4	31.2	31.0	31.2
Nursing and Personal Care Facilities	33.4	32.7	32.7	33.2	33.6	33.3	33.3	34.0	33.7	33.3	33.6	33.5	34.2
Hospitals	30.4	30.3	30.3	30.3	30.5	30.3	30.4	30.6	30.9	30.5	30.3	30.4	30.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-4 (1990)

Cleveland PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$517.95	$495.33	$502.60	$522.88	$498.78	$531.72	$534.25	$514.74	$518.38	$530.56	$527.24	$518.87	$516.01
Durable Goods[b]	549.48	519.66	530.33	558.41	531.29	572.32	574.54	546.10	552.45	563.29	559.41	548.66	542.28
Stone, Clay, and Glass Products	502.60	490.05	479.35	496.58	494.27	517.44	495.33	489.91	514.11	520.45	512.56	512.67	512.56
Primary Metal Industries	542.43	519.06	512.74	542.33	532.82	565.00	573.50	515.59	533.82	568.16	546.46	557.59	543.75
Iron and Steel Foundries	856.86	766.39	765.62	855.50	904.80	950.90	999.44	762.10	849.88	967.61	833.34	866.71	762.67
Fabricated Metal Products	546.98	521.37	534.24	553.40	521.25	563.71	559.82	530.45	552.12	558.99	568.54	544.85	562.46
Screw Machine Products, Bolts, etc.	525.10	512.46	504.36	538.90	489.76	550.00	547.80	539.61	532.82	535.73	518.93	494.05	530.93
Metal Forgings and Stampings	694.20	646.66	676.71	715.50	664.66	725.68	717.54	656.86	701.32	721.55	718.46	688.10	687.89
Industrial Machinery and Equipment	550.70	512.43	528.06	565.34	534.26	583.75	578.93	548.08	559.10	544.00	560.90	560.62	537.59
Metalworking Machinery	541.18	512.90	562.27	587.52	558.10	594.57	587.25	509.07	506.26	523.23	537.78	527.22	484.57
Electronic and Other Electric Equipment	423.46	427.44	422.24	414.86	416.64	420.97	414.40	425.08	424.50	424.04	425.08	434.89	437.41
Electrical Industrial Apparatus	447.50	437.86	439.30	439.74	409.82	457.29	459.17	466.58	456.93	440.54	444.93	458.59	462.53
Electric Lighting and Wiring Equipment	385.67	385.07	370.26	368.15	367.78	369.74	367.00	389.50	395.26	405.41	404.16	405.46	404.90
Transportation Equipment	737.08	663.60	704.69	753.09	695.84	781.93	806.75	778.43	741.32	778.60	746.30	709.75	683.09
Motor Vehicles and Equipment	813.72	721.76	759.56	827.59	766.55	871.42	919.20	873.18	836.24	852.85	819.50	768.35	731.27
Instruments and Related Products	451.67	439.93	447.69	450.69	429.60	450.69	454.16	463.26	472.76	470.22	441.32	454.57	449.60
Measuring and Controlling Devices	460.22	465.30	458.13	455.10	441.86	451.55	461.47	463.52	468.68	477.22	434.28	443.63	494.75
Nondurable Goods[c]	440.18	436.54	433.54	435.34	420.40	435.99	437.72	436.81	439.11	451.36	452.19	445.78	452.50
Food and Kindred Products	449.03	477.41	438.00	432.92	428.06	447.60	438.59	440.43	460.02	471.55	433.29	458.54	458.69
Apparel and Other Textile Products	378.28	373.80	367.30	372.30	367.84	361.34	369.08	381.79	371.72	385.23	409.25	379.23	399.56
Paper and Allied Products	512.82	507.30	516.73	514.42	469.54	520.93	501.16	513.09	503.09	523.61	534.63	509.18	543.98
Printing and Publishing	389.61	375.12	371.48	387.66	383.03	382.60	396.79	373.06	381.21	395.20	403.39	412.26	410.01
Chemicals and Allied Products	548.25	547.78	541.03	543.15	533.39	543.58	540.59	546.56	551.68	570.28	564.10	554.04	547.94
Rubber and Miscellaneous Plastics Products	377.58	374.59	377.64	377.94	350.07	369.05	381.78	381.97	376.74	392.11	396.95	373.43	376.97
Miscellaneous Plastics Products	387.66	385.10	391.82	386.26	356.81	370.82	380.84	396.46	381.49	401.45	409.97	389.08	395.04
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	495.26	464.75	467.17	470.25	490.64	513.80	504.27	499.73	491.39	530.29	513.72	497.67	498.40
Communications, Electric, Gas Services	636.13	621.84	625.87	611.75	623.78	620.87	621.68	627.59	629.86	656.46	652.80	662.54	680.98
Wholesale Trade	463.34	454.70	458.60	457.06	455.90	458.20	466.09	467.27	468.07	470.45	466.88	470.44	468.81
Retail Trade[d]	191.68	182.65	184.95	187.95	189.61	190.72	192.64	193.86	193.45	193.76	192.90	193.99	199.65
General Merchandise Stores	191.76	188.10	182.38	189.20	186.87	187.25	186.73	185.26	187.62	197.97	194.99	193.76	213.41
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	322.44	323.69	321.26	325.25	322.76	323.57	319.30	319.16	321.44	323.87	322.48	322.30	324.36
Depository Institutions	295.54	295.25	294.47	298.85	297.34	298.78	293.05	293.50	294.87	297.05	293.48	293.99	295.99
Commercial Banks	287.64	288.14	290.24	293.32	291.45	290.68	285.75	285.08	285.53	286.68	285.60	283.91	285.31

See footnotes at end of table.

Cleveland PMSA

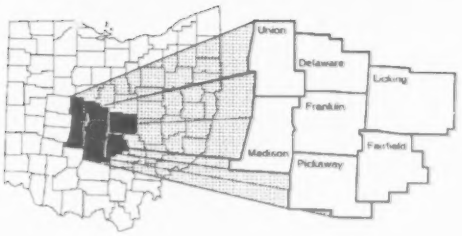
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	$336.02	$324.68	$326.86	$329.16	$333.78	$331.22	$337.90	$342.72	$342.41	$344.46	$343.20	$341.00	$341.02
Nursing and Personal Care Facilities	244.82	226.94	230.21	238.04	245.28	241.09	243.76	251.26	249.38	247.75	252.34	253.60	260.95
Hospitals	368.75	358.15	359.96	360.27	363.87	363.30	372.10	374.85	378.53	376.07	373.60	374.83	375.15

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-4 (1990)

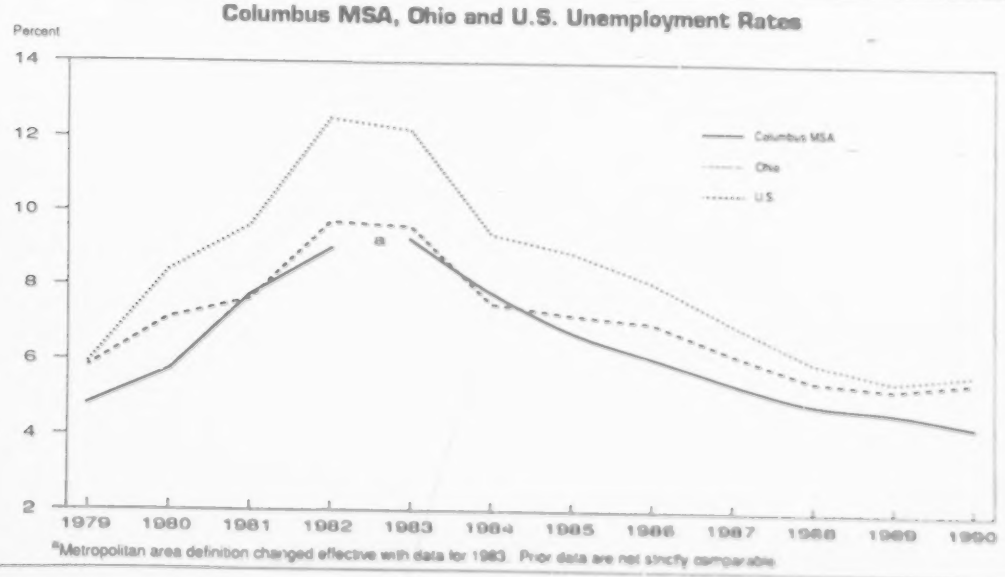
Columbus Metropolitan Statistical Area



The estimated annual average civilian labor force in the Columbus metropolitan area, distributed by place of residence, increased 5,800 from 1989 to 739,500 in 1990. Total employment, at 706,900, gained 8,000 jobs over the year, while the number of unemployed workers dropped 2,200. The unemployment rate declined from 4.7 percent in 1989 to 4.4 percent in 1990.

Nonagricultural wage and salary employment advanced 17,900 above the 1989 level to 722,700 in 1990, a growth rate of 2.5 percent. Employment in the service-producing sector rose 18,500. Significant growth in services, especially business and health services, created 10,500 jobs. Noteworthy gains were posted in local and state government and in retail trade. The number of workers in goods-producing industries declined 500 below the year-ago level to 134,900 due to scattered losses in manufacturing and nominal declines in construction. Cutbacks in fabricated metal products, stone, clay, and glass products, and instruments and related products offset over-the-year growth in transportation equipment.

Columbus MSA, Ohio and U.S. Unemployment Rates



[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

Columbus MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

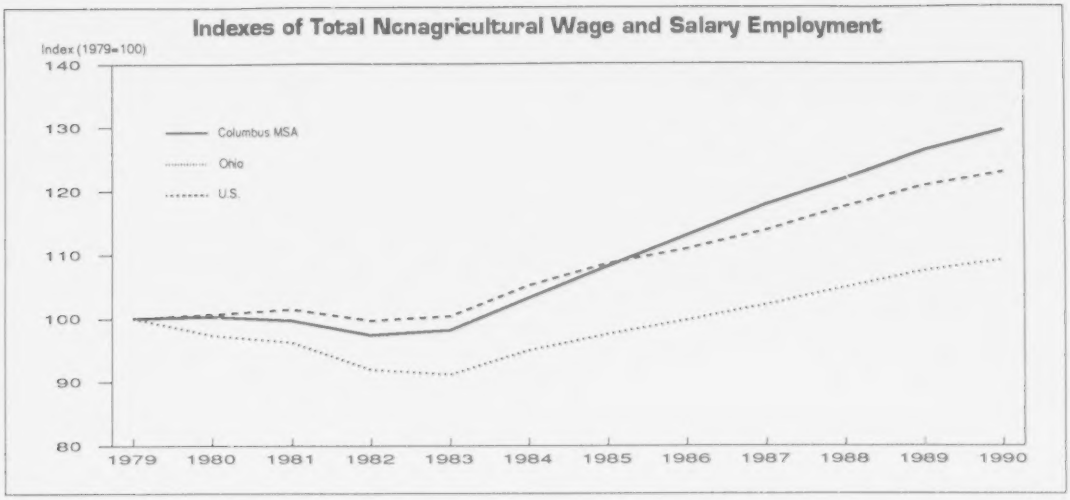
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
543.0	517.1	25.8	4.8	5.9	5.8	1979	558.4	142.1	416.3
554.7	523.4	31.4	5.7	8.4	7.1	1980	560.2	135.2	425.1
562.4	519.1	43.3	7.7	9.6	7.6	1981	556.9	129.7	427.1
567.4	516.4	51.0	9.0	12.5	9.7	1982	544.0	118.3	425.7
647.7[c]	587.4[c]	60.3[c]	9.3[c]	12.2	9.6	1983	548.5	116.7	431.8
633.5	584.3	49.2	7.8	9.4	7.5	1984	576.4	125.1	451.3
649.4	605.6	43.8	6.7	8.9	7.2	1985	603.6	129.0	474.6
676.2	634.9	41.3	6.1	8.1	7.0	1986	630.7	130.7	500.0
694.9	657.2	37.7	5.4	7.0	6.2	1987	658.0	131.8	526.2
711.2	676.2	35.0	4.9	6.0	5.5	1988	680.5	132.6	547.8
733.7	698.9	34.8	4.7	5.5	5.3	1989	704.7	135.5	569.3
739.5	706.9	32.6	4.4	5.7	5.5	1990	722.7	134.9	587.7

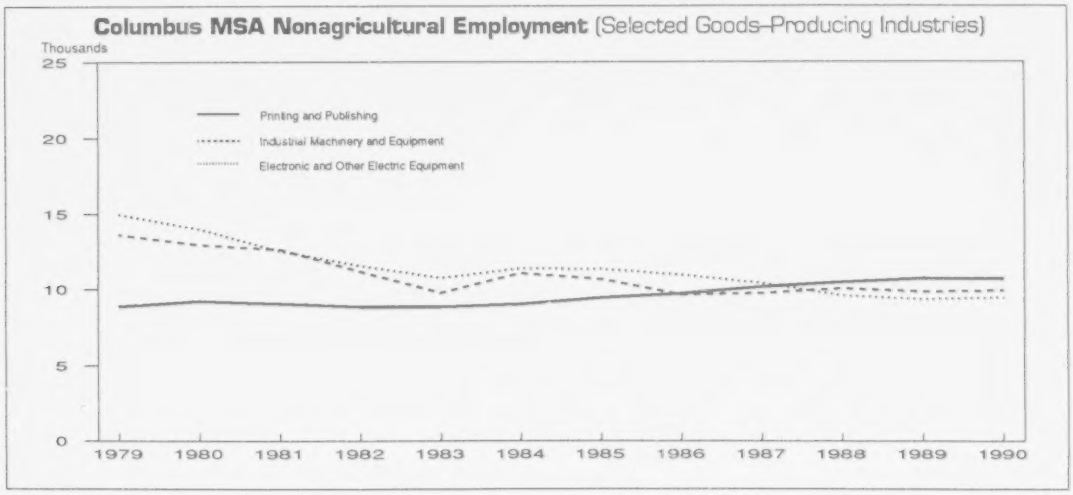
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

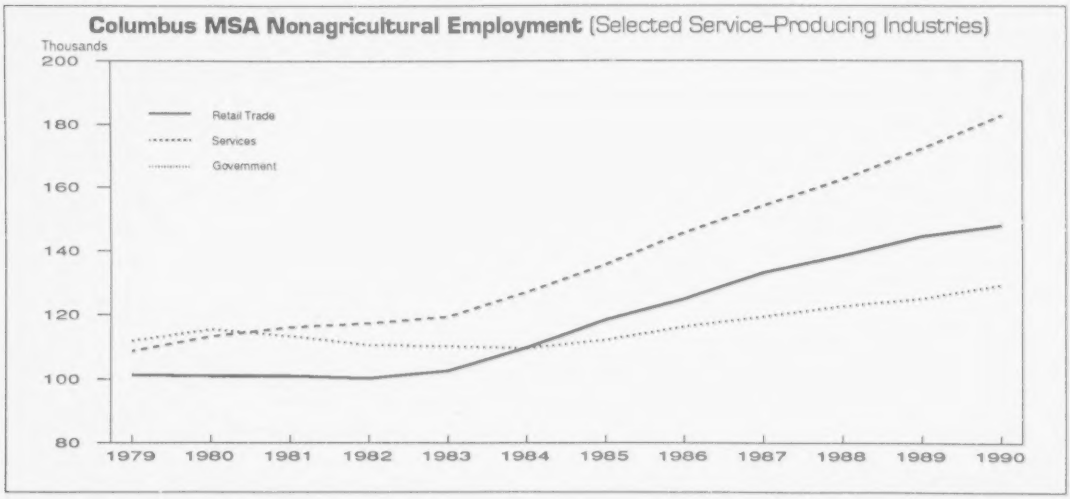
Nonfarm payroll employment in the Columbus area increased 174,200 since the 1983 economic downturn. A major portion of the gain occurred in services (+63,100) and retail trade (+45,200). Noteworthy expansion was posted in government, finance, insurance, and real estate, and construction. From 1979 to 1990, employment rose 164,200 or 29.4 percent. During the same period, the area lost 13,300 manufacturing jobs.

Columbus MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
23.0	117.8	1979	27.3	28.9	101.3	1979	38.3	108.7	111.9
21.2	112.6	1980	26.8	28.6	101.0	1980	40.1	113.2	115.4
19.2	109.1	1981	26.3	28.6	100.9	1981	41.8	116.2	113.4
16.0	101.0	1982	25.3	28.4	100.3	1982	43.5	117.4	110.7
16.8	98.7	1983	24.7	29.1	102.8	1983	45.0	119.6	110.5
19.2	104.7	1984	26.1	31.3	110.0	1984	46.7	127.5	109.8
21.9	106.1	1985	26.0	32.2	118.6	1985	49.4	136.0	112.4
24.0	105.8	1986	26.6	32.4	125.0	1986	53.7	145.9	116.4
27.0	103.9	1987	28.2	33.9	133.3	1987	57.0	154.4	119.4
29.2	102.6	1988	30.0	35.5	138.5	1988	58.7	162.5	122.7
29.7	104.9	1989	31.2	36.6	144.5	1989	59.9	172.2	125.0
29.5	104.5	1990	30.9	36.1	148.0	1990	60.7	182.7	129.3


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
140
130
120
110
100
90
80
Columbus MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Columbus MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
25
20
15
10
5
0
Printing and Publishing
Industrial Machinery and Equipment
Electronic and Other Electric Equipment
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Columbus MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
200
180
160
140
120
100
80
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Columbus MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	722.7	702.3	704.3	709.5	716.5	723.3	731.9	722.0	724.3	728.2	735.2	737.1	737.3
Goods-Producing Industries[b]	134.9	129.8	130.7	132.1	133.5	134.7	137.1	136.3	138.1	138.2	138.0	136.1	134.4
Construction	29.5	26.4	26.2	27.3	28.2	29.5	30.9	31.6	32.1	31.7	30.9	30.1	28.9
Manufacturing	104.5	102.6	103.6	103.9	104.5	104.3	105.3	103.8	105.1	105.6	106.1	105.0	104.6
Durable Goods[c]	66.0	64.7	65.8	66.1	66.4	66.2	66.7	65.1[f]	66.3	66.7	66.8	65.9	65.5
Stone, Clay, and Glass Products	9.6	9.7	9.7	9.9	9.8	9.5	9.5	9.2	9.7	9.9	9.9	9.6	8.8
Glass and Glassware, Pressed or Blown	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.1	3.6	3.7	3.7	3.6	3.1
Fabricated Metal Products	9.5	9.1	9.8	9.7	9.8	9.8	9.9	9.6	9.5	9.6	9.5	8.8	9.2
Industrial Machinery and Equipment	9.9	9.8	9.8	9.8	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.1	10.1
Electronic and Other Electric Equipment	9.5	9.5	9.5	9.6	9.5	9.5	9.4	9.4	9.4	9.4	9.5	9.6	9.7
Transportation Equipment	15.4	14.3	14.6	14.8	15.2	15.2	15.6	15.6	15.7	15.7	15.9	15.9	15.8
Motor Vehicles and Equipment	13.7	12.9	13.2	13.3	13.6	13.6	13.9	14.0	14.1	14.0	14.1	14.1	14.1
Instruments and Related Products	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.2	4.2	4.2
Nondurable Goods[d]	38.5	37.9	37.8	37.9	38.0	38.1	38.5	38.7	38.8	38.9	39.4	39.1	39.0
Food and Kindred Products	10.5	10.3	10.3	10.3	10.3	10.4	10.4	10.5	10.6	10.7	11.0	10.9	10.8
Dairy Products	3.9	3.7	3.7	3.8	3.7	3.8	3.8	3.9	3.9	3.9	4.1	4.1	4.1
Printing and Publishing	10.7	10.6	10.5	10.5	10.6	10.6	10.7	10.8	10.8	10.8	10.9	10.9	10.9
Chemicals and Allied Products	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	6.8	6.8	6.7	6.8
Rubber and Miscellaneous Plastics Products	6.1	6.0	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.3	6.3	6.2	6.3
Service-Producing Industries	587.7	572.5	573.6	577.4	583.0	588.6	594.9	585.7	586.2	590.0	597.1	601.1	602.9
Transportation and Public Utilities	30.9	30.3	30.4	30.5	30.7	30.7	30.8	30.9	31.1	31.3	31.2	31.2	31.4
Transportation	18.2	17.8	17.8	17.8	17.9	18.0	18.1	18.1	18.3	18.6	18.5	18.5	18.6
Trucking and Warehousing	12.9	12.3	12.4	12.4	12.6	12.7	12.8	13.0	13.1	13.3	13.3	13.3	13.4
Communications, Electric, Gas Services	12.7	12.6	12.6	12.7	12.8	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8
Communications	7.9	7.8	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.9	7.9	8.0
Electric, Gas, and Sanitary Services	4.8	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9
Wholesale Trade	36.1	35.8	35.9	36.1	36.0	36.3	36.2	36.1	36.1	36.1	36.3	36.4	36.4
Wholesale Trade-Durable Goods	22.9	22.9	22.9	23.0	22.8	23.0	23.1	22.9	22.7	22.7	22.8	22.8	22.8
Motor Vehicles, Parts, and Supplies	3.1	3.0	3.0	3.1	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Machinery, Equipment, and Supplies	5.1	5.2	5.3	5.2	5.3	5.3	5.2	5.0	5.0	5.0	5.0	4.9	4.9
Wholesale Trade-Nondurable Goods	13.3	12.9	13.0	13.1	13.2	13.2	13.2	13.3	13.4	13.4	13.5	13.6	13.6
Retail Trade	148.0	145.5	143.8	144.2	144.3	146.1	147.6	147.6	149.1	149.4	150.4	152.8	154.9
General Merchandise Stores	21.3	21.8	20.5	20.2	20.5	20.6	20.6	20.8	21.0	21.3	21.6	22.8	23.8
Food Stores	16.9	16.5	16.5	16.5	16.4	16.4	17.1	17.3	17.2	17.0	17.1	17.3	17.6
Automotive Dealers and Service Stations	14.1	13.7	13.7	13.9	14.0	14.1	14.2	14.4	14.5	14.4	14.3	14.2	14.2

See footnotes at end of table.

Columbus MSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Finance, Insurance, and Real Estate	60.7	59.8	59.7	59.9	60.3	60.6	61.3	61.9	61.6	60.8	60.7	60.7	60.9
Finance	24.4	24.2	24.1	24.2	24.2	24.3	24.6	24.7	24.7	24.4	24.5	24.6	24.6
Depository Institutions	13.9	13.9	13.8	13.8	13.8	13.8	14.0	14.0	14.0	13.8	13.8	13.8	13.9
Commercial Banks	11.5	11.4	11.4	11.4	11.3	11.4	11.5	11.6	11.7	11.6	11.6	11.6	11.7
Insurance	26.9	26.8	26.8	26.9	26.8	26.9	27.2	27.4	27.2	26.8	26.8	26.8	26.8
Insurance Carriers	22.9	22.8	22.8	23.0	22.8	23.0	23.2	23.4	23.1	22.8	22.8	22.8	22.8
Services	182.7	173.3	175.0	176.0	180.3	181.7	185.3	186.2	186.6	187.6	187.4	187.3	185.8
Business Services	41.6	37.6	37.8	38.1	40.5	41.4	42.2	42.8	43.4	43.5	44.0	44.2	44.0
Personnel Supply Services	16.2	12.9	13.0	13.3	15.5	16.2	16.7	17.3	17.6	17.7	18.1	18.3	18.0
Health Services	46.5	45.2	45.6	45.6	45.4	45.7	46.5	47.0	47.2	47.3	47.4	47.4	47.5
Nursing and Personal Care Facilities	8.2	7.9	8.0	8.0	8.1	8.2	8.2	8.3	8.4	8.3	8.3	8.3	8.4
Hospitals	21.7	21.2	21.5	21.4	21.1	21.3	21.9	22.0	22.1	22.1	22.2	22.1	22.1
Legal Services	4.6	4.4	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.5	4.6	4.6	4.6
Educational Services	7.5	7.9	8.1	8.1	8.1	7.2	7.0	6.4	6.3	7.6	8.0	8.1	7.3
Social Services	13.2	12.7	12.9	13.0	13.0	13.0	13.1	13.0	13.1	13.3	13.5	13.6	13.7
Engineering and Management Services	18.3	18.1	18.2	18.2	18.0	18.1	18.3	18.4	18.5	18.4	18.4	18.4	18.5
Engineering and Architectural Services	4.9	4.6	4.7	4.7	4.8	4.8	5.0	5.0	5.1	5.1	5.0	5.0	5.1
Accounting, Auditing, and Bookkeeping	3.9	4.0	4.1	4.1	4.0	3.9	3.8	3.8	3.8	3.8	3.9	3.9	3.9
Research and Testing Services	5.8	5.9	5.9	5.9	5.7	5.8	5.9	5.9	5.9	5.8	5.8	5.7	5.7
Government	129.3	127.9	128.8	130.6	131.4	133.2	133.5	123.1	121.7	124.7	131.2	132.6	133.5
Federal Government	16.8	16.4	16.3	16.7	17.3	19.1	17.5	17.4	16.6	16.3	16.2	16.0	16.3
State Government	56.2	55.6	56.2	57.0	56.9	56.9	58.6	52.8	53.0	52.4	57.7	58.6	58.9
State Government Education[e]	23.0	23.0	23.6	24.0	23.9	23.9	24.6	19.2	19.2	19.1	24.7	25.5	25.8
Local Government	56.3	55.9	56.3	56.9	57.1	57.2	57.3	52.9	52.2	55.9	57.3	58.0	58.3
Local Government Education	33.8	34.0	34.4	35.1	34.9	34.8	34.2	29.4	29.0	33.3	34.9	35.5	35.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-8-91 RS-790-1-5 (1990)

Columbus MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	704.7	682.7	687.1	692.8	695.7	701.6	707.2	703.8	707.3	713.1	718.9	722.6	724.0
Goods-Producing Industries[b]	135.5	130.7	130.7	132.0	132.9	134.5	136.5	138.3	139.5	139.8	137.8	137.1	135.7
Construction	29.7	26.4	26.1	27.2	28.3	29.3	30.6	31.9	32.6	32.4	31.6	30.9	29.1
Manufacturing	104.9	103.5	103.8	104.0	103.8	104.4	105.1	105.4	106.0	106.5	105.3	105.3	105.6
Durable Goods[c]	66.2	65.1	65.4	65.5	65.4	65.8	65.9	66.5	67.0	67.6	66.6	66.7	67.1
Stone, Clay, and Glass Products	9.9	9.7	9.8	9.9	9.7	9.7	9.9	10.1	10.1	10.2	9.9	9.8	10.1
Glass and Glassware, Pressed or Blown	3.5	3.4	3.4	3.5	3.5	3.4	3.4	3.7	3.7	3.6	3.6	3.7	3.7
Fabricated Metal Products	9.9	9.8	9.9	9.8	9.8	9.8	9.7	9.7	9.9	10.1	10.1	10.1	10.1
Industrial Machinery and Equipment	9.9	9.9	9.8	9.9	9.9	9.9	10.0	10.1	9.9	10.1	9.5	9.8	9.8
Electronic and Other Electric Equipment	9.4	9.3	9.2	9.3	9.2	9.3	9.3	9.5	9.5	9.5	9.5	9.5	9.5
Transportation Equipment	14.3	13.1	13.4	13.6	13.7	13.8	13.8	14.2	14.7	15.1	15.1	15.2	15.3
Motor Vehicles and Equipment	13.3	12.2	12.6	12.8	12.9	13.0	13.2	13.2	13.7	14.1	14.0	13.9	13.9
Instruments and Related Products	4.7	4.6	4.7	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Nondurable Goods[d]	38.7	38.3	38.4	38.5	38.4	38.6	39.2	39.0	39.0	38.9	38.6	38.6	38.5
Food and Kindred Products	10.5	10.4	10.4	10.5	10.5	10.6	10.7	10.7	10.7	10.7	10.5	10.4	10.4
Dairy Products	3.9	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0	3.9	3.8	3.7	3.8
Printing and Publishing	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
Chemicals and Allied Products	6.9	6.8	6.8	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.9	6.9	6.9
Rubber and Miscellaneous Plastics Products	6.1	5.9	5.9	5.9	6.0	6.1	6.2	6.1	6.2	6.2	6.2	6.2	6.1
Service-Producing Industries	569.3	552.0	556.4	560.9	562.8	567.1	570.7	565.5	567.8	573.3	581.1	585.5	588.3
Transportation and Public Utilities	31.2	30.0	30.1	30.1	30.4	30.7	30.9	31.5	31.7	32.0	32.1	32.2	32.2
Transportation	18.7	17.8	17.9	17.9	18.1	18.3	18.5	18.9	19.1	19.5	19.5	19.5	19.6
Trucking and Warehousing	13.1	12.1	12.4	12.4	12.5	12.8	12.8	13.4	13.6	13.9	13.9	13.9	14.0
Communications, Electric, Gas Services	12.4	12.2	12.2	12.2	12.4	12.3	12.4	12.5	12.5	12.5	12.6	12.6	12.6
Communications	7.8	7.6	7.6	7.7	7.8	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9
Electric, Gas, and Sanitary Services	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8
Wholesale Trade	36.6	36.3	36.5	36.8	36.4	36.4	36.6	36.9	36.7	36.3	36.7	36.7	36.4
Wholesale Trade-Durable Goods	23.5	23.4	23.7	23.8	23.7	23.8	23.9	23.7	23.5	23.2	23.4	23.2	23.1
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Machinery, Equipment, and Supplies	5.2	5.1	5.3	5.3	5.3	5.4	5.5	5.2	5.2	5.1	5.2	5.1	5.1
Wholesale Trade-Nondurable Goods	13.0	12.8	12.8	13.0	12.7	12.6	12.7	13.2	13.2	13.0	13.3	13.5	13.3
Retail Trade	144.5	138.0	138.3	139.9	140.2	142.6	143.1	144.5	146.8	147.7	148.5	151.1	153.5
General Merchandise Stores	21.2	19.8	20.3	20.4	20.4	20.5	20.5	20.8	21.3	21.3	21.8	22.9	24.2
Food Stores	16.4	16.0	16.1	16.3	16.2	16.3	16.3	16.4	16.4	16.1	16.6	16.9	17.4
Automotive Dealers and Service Stations	14.0	13.7	13.7	13.8	13.9	14.2	14.2	14.1	14.2	14.3	14.2	14.0	13.9

See footnotes at end of table.

Columbus MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Finance, Insurance, and Real Estate	59.9	58.8	59.2	59.6	59.1	59.5	60.2	60.5	60.6	60.5	60.1	60.2	60.3
Finance	23.7	23.1	23.2	23.4	23.2	23.4	23.7	23.6	23.7	23.8	24.0	24.2	24.3
Depository Institutions	14.3	14.1	14.0	14.3	14.1	14.2	14.5	14.3	14.3	14.3	14.4	14.4	14.5
Commercial Banks	11.7	11.4	11.5	11.8	11.6	11.6	11.9	11.7	11.8	11.8	11.9	11.9	12.0
Insurance	27.5	27.4	27.5	27.6	27.4	27.4	27.6	27.7	27.7	27.6	27.2	27.2	27.2
Insurance Carriers	23.4	23.4	23.4	23.5	23.4	23.4	23.6	23.7	23.7	23.6	23.2	23.2	23.2
Services	172.2	163.5	165.9	167.6	169.7	170.9	172.3	174.4	175.1	176.8	177.1	177.3	176.0
Business Services	36.9	33.5	33.7	34.5	35.2	35.8	36.0	37.7	38.4	38.9	39.7	40.0	39.7
Personnel Supply Services	13.3	10.9	11.0	11.6	12.4	12.6	12.5	14.0	14.3	14.7	15.0	15.3	15.1
Health Services	44.4	43.2	43.4	43.7	43.7	44.0	44.6	44.9	45.2	45.1	45.1	45.1	45.3
Nursing and Personal Care Facilities	7.9	7.8	8.0	7.9	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9
Hospitals	20.6	20.1	20.1	20.2	20.3	20.4	20.7	20.8	20.9	20.9	21.0	21.0	21.0
Legal Services	4.4	4.3	4.4	4.4	4.3	4.4	4.5	4.6	4.6	4.5	4.5	4.5	4.5
Educational Services	7.4	7.9	8.7	8.0	7.9	7.1	6.3	5.8	5.6	7.5	8.3	8.2	7.4
Social Services	12.5	11.9	12.1	12.2	12.2	12.2	12.4	12.4	12.5	12.6	12.9	13.0	13.2
Engineering and Management Services	17.9	17.7	17.8	17.8	17.6	17.6	17.7	18.0	18.0	17.9	18.0	18.1	18.2
Engineering and Architectural Services	4.5	4.3	4.3	4.4	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.7	4.8
Accounting, Auditing, and Bookkeeping	4.1	4.2	4.3	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Research and Testing Services	6.1	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.1	6.0
Government	125.0	125.4	126.4	126.9	127.0	127.0	127.5	117.8	117.0	120.1	126.6	128.1	130.0
Federal Government	16.1	15.8	15.7	15.8	16.0	16.1	16.2	16.2	16.4	16.2	16.2	16.2	16.5
State Government	54.5	54.6	55.4	55.7	55.6	55.7	56.6	51.2	50.7	50.0	55.1	55.9	57.3
State Government Education[e]	22.3	23.2	23.8	24.0	23.7	23.8	24.0	18.2	18.1	17.7	23.1	23.7	24.8
Local Government	54.4	55.0	55.3	55.5	55.4	55.1	54.7	50.5	50.0	53.8	55.3	56.0	56.3
Local Government Education	32.4	33.4	33.7	34.0	33.8	33.3	32.0	27.6	27.3	32.0	33.4	34.2	34.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-8-91 RS-790-1-5 (1989)

Columbus MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.44	$12.27	$12.36	$12.31	$12.26	$12.34	$12.40	$12.45	$12.36	$12.55	$12.61	$12.62	$12.77
Durable Goods[b]	12.76	12.58	12.68	12.61	12.55	12.65	12.73	12.80	12.65	12.88	12.94	12.91	13.10
Stone, Clay, and Glass Products	12.15	12.03	12.01	11.93	12.00	12.08	12.10	12.32	12.21	12.31	12.16	12.19	12.40
Glass and Glassware, Pressed or Blown	11.07	10.95	11.02	10.89	11.10	10.97	11.12	11.41	10.99	11.10	11.25	11.03	11.04
Fabricated Metal Products	12.73	12.08	12.59	12.57	12.73	12.83	12.96	12.85	12.79	12.95	12.96	12.51	12.84
Industrial Machinery and Equipment	12.19	11.96	12.08	11.96	11.67	11.97	12.37	12.48	11.90	12.20	12.38	12.61	12.58
Electronic and Other Electric Equipment	12.47	12.09	12.10	11.98	11.98	12.06	12.15	12.34	12.44	12.69	12.92	13.13	13.51
Transportation Equipment	14.73	14.76	14.85	14.77	14.57	14.59	14.58	14.58	14.45	14.85	14.99	14.91	14.85
Motor Vehicles and Equipment	14.81	14.78	14.89	14.83	14.64	14.67	14.68	14.70	14.58	14.92	15.06	14.99	14.95
Instruments and Related Products	10.58	10.20	10.40	10.53	10.29	10.57	10.79	10.71	10.59	10.62	10.52	10.73	11.02
Nondurable Goods[c]	11.82	11.68	11.71	11.68	11.67	11.71	11.71	11.79	11.79	11.88	11.99	12.08	12.12
Food and Kindred Products	10.48	10.27	10.36	10.36	10.21	10.38	10.48	10.51	10.38	10.59	10.58	10.62	10.92
Dairy Products	13.88	14.31	14.05	13.78	13.50	13.57	13.65	13.69	13.84	14.03	13.87	13.84	14.50
Printing and Publishing	14.03	13.86	13.91	13.99	13.81	13.93	13.83	13.92	14.02	14.04	14.22	14.34	14.37
Chemicals and Allied Products	15.08	15.06	14.82	14.84	15.06	14.85	14.75	14.85	14.89	15.26	15.54	15.64	15.37
Rubber and Miscellaneous Plastics Products	9.46	9.28	9.46	9.37	9.21	9.49	9.47	9.58	9.57	9.58	9.45	9.55	9.46
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	13.03	13.20	13.07	13.06	13.17	13.13	13.07	12.94	13.00	13.08	12.92	12.74	12.98
Communications, Electric, Gas Services	15.48	15.07	15.21	15.18	15.46	15.39	15.54	15.70	15.62	15.63	15.73	15.56	15.66
Communications	14.96	14.53	14.70	14.61	14.92	14.68	14.94	14.97	14.97	14.98	15.13	15.43	15.55
Electric, Gas, and Sanitary Services	16.18	15.80	15.88	15.94	16.20	16.32	16.31	16.64	16.45	16.48	16.51	15.76	15.83
Wholesale Trade	10.48	10.37	10.38	10.33	10.41	10.50	10.49	10.50	10.58	10.55	10.53	10.58	10.54
Retail Trade[d]	6.74	6.68	6.64	6.67	6.65	6.65	6.70	6.72	6.74	6.78	6.79	6.84	6.95
General Merchandise Stores	7.30	7.17	7.22	7.26	7.18	7.11	7.14	7.23	7.32	7.35	7.50	7.46	7.61
Food Stores	6.98	7.11	7.02	7.02	7.07	7.00	6.87	6.80	6.84	6.97	6.97	7.07	7.07
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	7.27	7.14	7.11	7.16	7.15	7.16	7.17	7.31	7.25	7.35	7.42	7.51	7.51
Hospitals	11.79	11.64	11.71	11.79	11.88	11.89	11.87	11.89	11.90	11.91	11.77	11.66	11.53
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	12.64	12.41	12.55	12.61	12.73	12.71	12.49	12.44	12.47	12.63	12.82	12.87	12.88

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-5 (1990)

Columbus MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.0	42.1	42.1	41.6	40.9	41.7	42.0	42.1	41.7	42.2	42.1	42.9	43.0
Durable Goods[b]	42.3	42.2	42.4	42.0	41.2	41.9	42.3	42.4	42.0	42.7	42.2	43.1	43.3
Stone, Clay, and Glass Products	43.0	41.8	42.4	42.6	42.6	42.5	42.9	43.7	44.2	44.2	42.6	42.8	43.4
Glass and Glassware, Pressed or Blown	41.8	41.2	42.2	41.9	42.3	41.3	42.1	41.9	41.4	41.2	42.4	42.3	41.3
Fabricated Metal Products	41.1	40.5	41.1	41.6	41.3	42.0	41.8	40.8	41.2	40.8	40.3	40.8	40.9
Industrial Machinery and Equipment	42.9	41.6	42.0	41.5	40.2	41.3	43.3	44.2	41.7	44.1	43.9	45.7	45.5
Electronic and Other Electric Equipment	42.0	41.8	42.9	41.4	39.9	40.6	40.6	40.8	41.1	42.6	42.5	43.5	45.5
Transportation Equipment	44.1	45.3	45.4	44.7	43.1	43.3	43.3	43.5	43.1	44.7	44.4	44.3	43.9
Motor Vehicles and Equipment	44.0	45.4	45.5	44.7	43.1	43.3	43.4	43.7	43.2	44.3	43.9	43.9	43.4
Instruments and Related Products	39.7	38.3	38.8	38.7	38.3	39.8	41.3	41.2	40.3	39.3	38.7	40.9	41.6
Nondurable Goods[c]	41.5	41.7	41.5	40.7	40.5	41.2	41.4	41.5	41.1	41.2	41.9	42.4	42.5
Food and Kindred Products	41.6	41.1	40.9	40.6	39.7	41.1	41.6	42.0	40.8	42.3	42.3	42.9	44.1
Dairy Products	44.2	45.7	44.9	44.8	42.9	44.0	44.7	45.0	44.0	44.4	43.8	42.6	44.1
Printing and Publishing	40.3	40.3	39.0	38.7	39.1	39.7	40.1	40.9	41.1	39.7	42.2	41.3	41.7
Chemicals and Allied Products	42.9	43.7	42.8	42.7	43.1	42.4	41.7	41.4	41.3	43.1	44.2	44.6	43.6
Rubber and Miscellaneous Plastics Products	41.7	42.9	43.6	42.7	40.7	42.0	41.8	41.8	41.0	40.7	40.3	41.3	41.3
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation	....	....	....	....	....	....	....	....	....	....	....	....	....
Trucking and Warehousing	34.4	34.0	34.5	34.7	34.6	35.0	35.5	35.2	34.3	34.3	33.8	33.1	34.0
Communications, Electric, Gas Services	43.7	43.8	43.4	43.2	43.0	43.6	43.9	43.9	43.6	43.7	43.8	44.2	44.1
Communications	40.2	40.1	39.2	39.4	39.4	39.3	39.8	39.8	39.6	39.7	39.9	42.4	43.9
Electric, Gas, and Sanitary Services	49.5	50.3	50.8	49.8	49.2	50.7	50.7	50.6	50.2	50.2	50.1	47.2	44.4
Wholesale Trade	38.6	38.4	38.6	38.6	38.3	38.2	38.2	38.3	38.5	38.8	38.9	39.0	39.0
Retail Trade	27.4	27.4	27.2	27.3	27.6	27.3	27.4	27.6	27.7	27.3	27.0	27.1	28.0
General Merchandise Stores	28.6	28.2	28.3	28.8	28.7	28.4	28.5	29.2	29.0	28.5	28.0	27.4	30.6
Food Stores	27.3	26.6	26.4	26.5	28.4	26.8	28.0	27.5	28.1	27.8	27.0	27.3	27.3
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Nursing and Personal Care Facilities	32.4	32.2	32.0	32.5	32.3	31.9	32.4	32.9	31.9	32.7	32.4	33.0	33.1
Hospitals	34.2	34.4	34.3	34.3	34.5	34.2	34.2	34.0	33.6	34.5	33.7	34.3	34.0
Engineering and Management Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Engineering and Architectural Services	39.1	39.6	38.7	38.8	39.4	40.1	39.1	38.4	38.9	38.8	38.6	38.8	39.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-5 (1990)

Columbus MSA

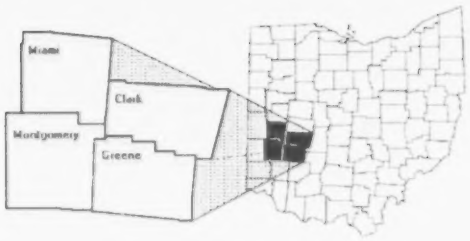
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$522.48	$516.57	$520.36	$512.10	$501.43	$514.58	$520.80	$524.15	$515.41	$529.61	$530.88	$541.40	$549.11
Durable Goods[b]	539.75	530.88	537.63	529.62	517.06	530.04	538.48	542.72	531.30	549.98	546.07	556.42	567.23
Stone, Clay, and Glass Products	522.45	502.85	509.22	508.22	511.20	513.40	519.09	538.38	539.68	544.10	518.02	521.73	538.16
Glass and Glassware, Pressed or Blown	462.73	451.14	465.04	456.29	469.53	453.06	468.15	478.08	454.99	457.32	477.00	466.57	455.95
Fabricated Metal Products	523.20	489.24	517.45	522.91	525.75	538.86	541.73	524.28	526.95	528.36	522.29	510.41	525.16
Industrial Machinery and Equipment	522.95	497.54	507.36	496.34	469.13	494.36	535.62	551.62	496.23	538.02	543.48	576.28	572.39
Electronic and Other Electric Equipment	523.74	505.36	519.09	495.97	478.00	489.64	493.29	503.47	511.28	540.59	549.10	571.16	614.71
Transportation Equipment	649.59	668.63	674.19	660.22	627.97	631.75	631.31	634.23	622.80	663.80	665.56	660.51	651.92
Motor Vehicles and Equipment	651.64	671.01	677.50	662.90	630.98	635.21	637.11	642.39	629.86	660.96	661.13	658.06	648.83
Instruments and Related Products	420.03	390.66	403.52	407.51	394.11	420.69	445.63	441.25	426.78	417.37	407.12	438.86	458.43
Nondurable Goods[c]	490.53	487.06	485.97	475.38	472.64	482.45	484.79	489.29	484.57	489.46	502.38	512.19	515.10
Food and Kindred Products	435.97	422.10	423.72	420.62	405.34	426.62	435.97	441.42	423.50	447.96	447.53	455.60	481.57
Dairy Products	613.50	653.97	630.85	617.34	579.15	597.08	610.16	616.05	608.96	622.93	607.51	589.58	639.45
Printing and Publishing	565.41	558.56	542.49	541.41	539.97	553.02	554.58	569.33	576.22	557.39	600.08	592.24	599.23
Chemicals and Allied Products	646.93	658.12	634.30	633.67	649.09	629.64	615.08	614.79	614.96	657.71	686.87	697.54	670.13
Rubber and Miscellaneous Plastics Products	394.48	398.11	412.46	400.10	374.85	398.58	395.85	400.44	392.37	389.91	380.84	394.42	390.70
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	448.23	448.80	450.92	453.18	455.68	459.55	463.99	455.49	445.90	448.64	436.70	421.69	441.32
Communications, Electric, Gas Services	676.48	660.07	660.11	655.78	664.78	671.00	682.21	689.23	681.03	683.03	688.97	687.75	690.61
Communications	601.39	582.65	576.24	575.63	587.85	576.92	594.61	595.81	592.81	594.71	603.69	654.23	682.65
Electric, Gas, and Sanitary Services	800.91	794.74	806.70	793.81	797.04	827.42	826.92	841.98	825.79	827.30	827.15	743.87	702.85
Wholesale Trade	404.53	398.21	400.67	398.74	398.70	401.10	400.72	402.15	407.33	409.34	409.62	412.62	411.06
Retail Trade[d]	184.68	183.03	180.61	182.09	183.54	181.55	183.58	185.47	186.70	185.09	183.33	185.36	194.60
General Merchandise Stores	208.78	202.19	204.33	209.09	206.07	201.92	203.49	211.12	212.28	209.48	210.00	204.40	232.87
Food Stores	190.55	189.13	185.33	186.03	200.79	187.60	192.36	187.00	192.20	193.77	188.19	193.01	193.01
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	461.16	439.25	447.14	450.00	453.45	455.10	454.31	461.73	463.28	465.30	474.75	481.87	485.27
Depository Institutions	296.03	286.63	291.92	293.27	293.97	294.57	295.94	298.31	300.26	295.09	300.43	300.06	301.68
Commercial Banks	293.98	284.87	292.42	291.13	290.78	290.78	292.91	295.08	298.14	292.90	297.77	298.97	301.54
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	235.55	229.91	227.52	232.70	230.95	228.40	232.31	240.50	231.28	240.35	240.41	247.83	248.58
Hospitals	403.22	400.42	401.65	404.40	409.86	406.64	405.95	404.26	399.84	410.90	396.65	399.94	392.02
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	494.22	491.44	485.69	489.27	501.56	509.67	488.36	477.70	485.08	490.04	494.85	499.36	510.05

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [r]Depressed due to labor-management disputes during part of pay period. [s]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-5 (1990)

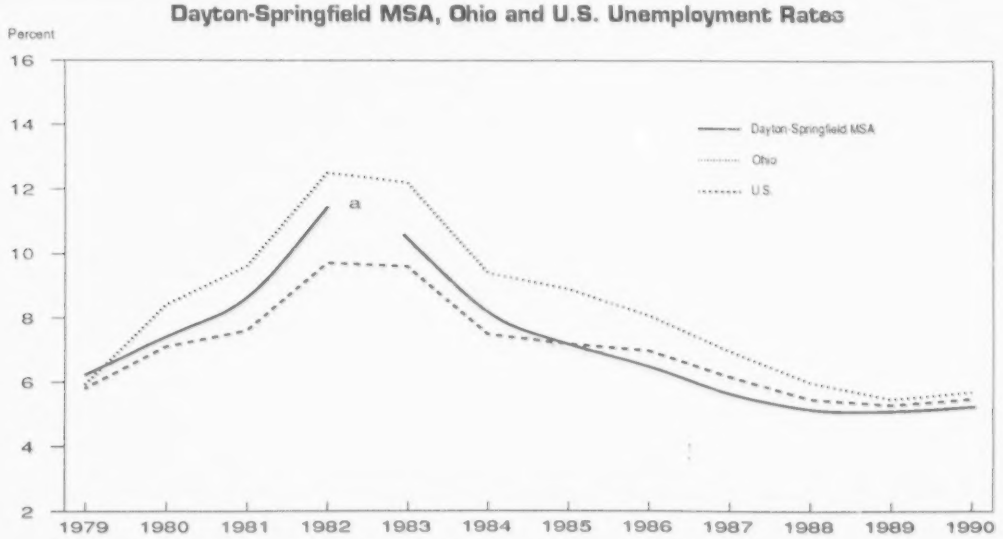
Dayton-Springfield Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Dayton-Springfield metropolitan area dropped 1,400 from 1989 to 476,800 in 1990. Total employment, at 451,500, fell 2,300 over the year, while unemployment rose 1,000. The unemployment rate increased from 5.1 percent in 1989 to 5.3 percent in 1990.

Nonagricultural wage and salary employment advanced 3,800 above the 1989 level to 452,200 in 1990. The growth was concentrated in service-producing industries, up 7,700. Leading areas of expansion were services (+4,200) and retail trade (+2,000). Moderate gains were posted in local government and transportation and public utilities. Employment in wholesale trade and finance, insurance, and real estate declined during the period. The workforce in goods-producing industries, at 119,200, lost 3,800 jobs due to production cutbacks in manufacturing and less business in construction. Noteworthy reductions occurred in industrial machinery and equipment, electronic and other electric equipment, and rubber and miscellaneous plastics products. Employment in paper and allied products and transportation equipment increased fractionally from 1989.

Dayton-Springfield MSA, Ohio and U.S. Unemployment Rates



[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

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Dayton-Springfield MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

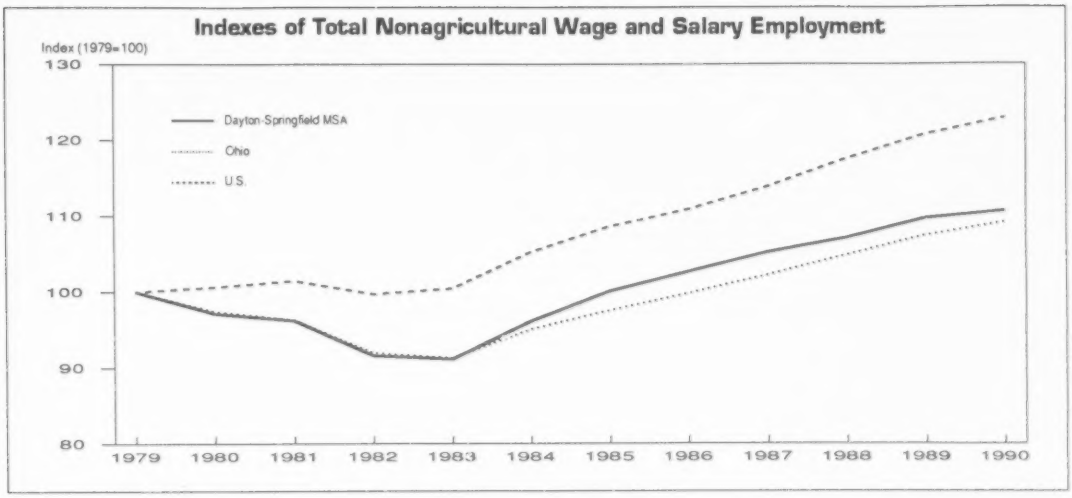
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
392.2	367.9	24.2	6.2	5.9	5.8	1979	408.8	138.8	270.0
390.2	361.0	29.2	7.5	8.4	7.1	1980	397.1	126.1	271.1
390.8	357.9	32.8	8.4	9.6	7.6	1981	393.2	123.2	269.9
391.8	347.1	44.7	11.4	12.5	9.7	1982	374.3	108.0	266.3
438.5[c]	391.9[c]	46.6[c]	10.6[c]	12.2	9.6	1983	372.3	106.4	265.8
440.1	404.8	35.2	8.0	9.4	7.5	1984	392.7	116.1	276.6
450.4	418.1	32.4	7.2	8.9	7.2	1985	408.9	120.2	288.7
460.5	430.1	30.3	6.6	8.1	7.0	1986	419.4	121.0	298.4
463.8	437.7	26.2	5.6	7.0	6.2	1987	429.8	121.2	308.6
468.2	443.9	24.4	5.2	6.0	5.5	1988	437.7	122.6	315.1
478.2	453.8	24.4	5.1	5.5	5.3	1989	448.4	123.0	325.4
476.8	451.5	25.4	5.3	5.7	5.5	1990	452.2	119.2	333.0

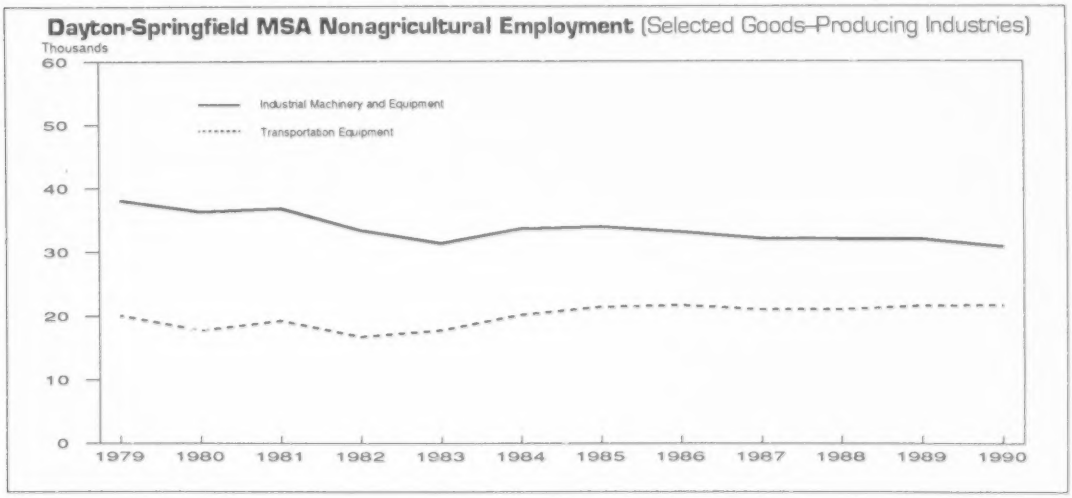
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

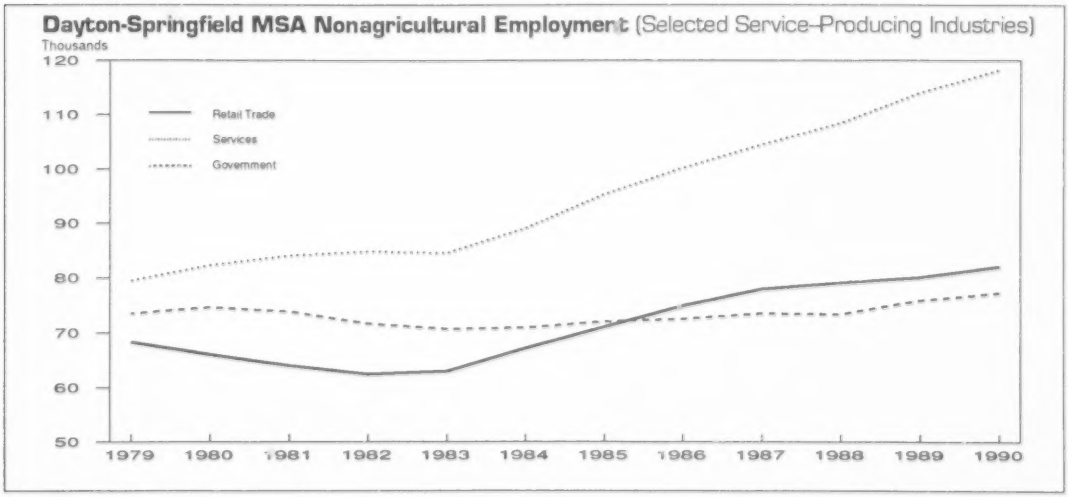
Nonfarm payroll employment in the Dayton-Springfield area rose 79,900 since the 1983 economic downturn. Expansion in services created 33,500 jobs. Noteworthy growth occurred in retail trade, manufacturing, government, and construction. From 1979 to 1990, employment increased 43,400 or 10.6 percent. During the same period, the area lost 19,900 manufacturing jobs.

Dayton-Springfield MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
15.8	122.5	1979	16.3	16.8	68.3	1979	15.6	79.5	73.6
14.7	110.9	1980	15.6	16.9	66.1	1980	15.6	82.3	74.6
13.0	109.9	1981	14.8	17.7	64.0	1981	15.7	84.1	73.8
10.4	97.3	1982	14.4	17.5	62.4	1982	15.6	84.8	71.7
10.6	95.5	1983	13.9	17.6	63.0	1983	15.8	84.7	70.8
12.1	103.7	1984	14.7	18.5	67.2	1984	16.1	89.2	70.9
13.5	106.3	1985	14.5	19.1	71.0	1985	16.6	95.4	72.1
14.8	105.7	1986	14.9	18.8	74.9	1986	17.2	100.2	72.6
16.4	104.3	1987	15.8	18.9	78.0	1987	17.9	104.5	73.5
17.2	105.0	1988	16.8	19.7	79.0	1988	17.9	108.4	73.3
17.5	105.0	1989	17.5	20.5	80.0	1989	17.6	114.0	75.8
16.1	102.6	1990	18.4	20.0	82.0	1990	17.3	118.2	77.1


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Dayton-Springfield MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Dayton-Springfield MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
60
50
40
30
20
10
0
Industrial Machinery and Equipment
Transportation Equipment
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Dayton-Springfield MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
120
110
100
90
80
70
60
50
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	452.2	444.5	445.2	449.2	450.5	453.9	455.3	449.6	450.7	456.3	456.4	457.1	457.4
Goods-Producing Industries[b]	119.2	116.6	117.2	118.1	118.9	120.1	121.6	121.4	120.6	120.5	119.5	118.3	117.0
Construction	16.1	15.2	14.9	15.5	15.8	16.4	16.9	17.1	17.1	16.9	16.5	16.1	15.5
Manufacturing	102.6	101.1	101.9	102.2	102.7	103.3	104.3	103.9	103.0	103.2	102.6	101.7	101.1
Durable Goods[c]	73.4	72.7	73.1	73.5	73.9	74.2	74.9	74.3	73.5	73.5	73.2	72.4	72.1
Fabricated Metal Products	8.3	8.3	8.3	8.4	8.3	8.4	8.4	8.4	8.3	8.4	8.3	8.0	7.9
Industrial Machinery and Equipment	30.9	30.9	30.7	30.9	31.2	31.2	31.5	31.3	30.8	30.5	30.5	30.4	30.5
Metalworking Machinery	8.4	8.4	8.4	8.3	8.4	8.4	8.5	8.6	8.4	8.2	8.3	8.3	8.2
General Industrial Machinery	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9
Electronic and Other Electric Equipment	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Transportation Equipment	21.6	20.9	21.5	21.6	21.6	21.8	22.0	21.8	21.6	22.0	21.8	21.6	21.6
Motor Vehicles and Equipment	18.5	17.7	18.3	18.4	18.4	18.6	18.8	18.7	18.5	18.9	18.7	18.6	18.6
Nondurable Goods[d]	29.2	28.4	28.9	28.7	28.9	29.1	29.4	29.6	29.5	29.7	29.4	29.4	29.0
Food and Kindred Products	2.6	2.7	2.5	2.5	2.5	2.5	2.6	2.7	2.6	2.7	2.7	2.7	2.7
Paper and Allied Products	6.3	6.2	6.2	6.2	6.2	6.2	6.3	6.4	6.5	6.4	6.5	6.6	6.6
Printing and Publishing	8.9	9.0	9.0	9.0	9.0	8.9	8.9	9.0	9.0	9.0	8.7	8.7	8.7
Rubber and Miscellaneous Plastics Products	7.7	7.1	7.8	7.6	7.7	7.8	7.9	7.9	7.7	7.9	7.7	7.7	7.5
Service-Producing Industries	333.0	327.9	327.9	331.1	331.6	333.8	333.7	328.2	330.1	335.8	336.9	338.8	340.3
Transportation and Public Utilities	18.4	18.1	18.0	18.1	18.1	18.2	18.3	18.4	18.7	18.7	18.5	18.6	18.8
Transportation	11.9	11.6	11.7	11.8	11.7	11.9	11.9	11.9	12.1	12.2	12.1	12.1	12.3
Trucking and Warehousing	6.0	5.8	5.8	5.8	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1
Communications, Electric, Gas Services	6.4	6.5	6.3	6.3	6.4	6.4	6.5	6.5	6.5	6.5	6.4	6.5	6.5
Communications	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Wholesale Trade	20.0	19.9	20.0	20.1	20.1	20.2	20.3	20.0	19.8	19.9	19.8	19.8	19.9
Wholesale Trade-Durable Goods	13.7	13.7	13.7	13.8	13.8	13.8	13.9	13.6	13.5	13.6	13.5	13.5	13.5
Wholesale Trade-Nondurable Goods	6.3	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.4
Retail Trade	82.0	79.9	79.0	80.3	81.0	82.1	82.6	82.0	82.6	82.5	82.5	83.8	85.1
General Merchandise Stores	12.8	12.6	11.8	12.3	12.5	12.6	12.6	12.6	12.8	12.9	13.0	13.7	14.3
Finance, Insurance, and Real Estate	17.3	17.0	17.0	17.1	17.2	17.3	17.5	17.7	17.6	17.5	17.3	17.4	17.5
Finance	9.5	9.4	9.4	9.4	9.4	9.4	9.5	9.6	9.6	9.6	9.5	9.5	9.6
Depository Institutions	7.2	7.1	7.2	7.1	7.1	7.2	7.3	7.3	7.3	7.3	7.2	7.3	7.4
Insurance	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.6	4.6

See footnotes at end of table.

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	118.2	115.1	116.6	117.3	117.3	116.9	117.9	117.6	118.5	120.4	120.3	120.4	120.6
Business Services	23.7	22.4	22.5	22.3	22.9	23.5	23.8	24.1	24.4	24.5	24.7	24.7	24.8
Personnel Supply Services	7.0	6.2	6.3	6.0	6.3	6.8	6.9	7.2	7.4	7.4	7.7	7.7	7.7
Computer and Data Processing Services	5.7	5.2	5.2	5.2	5.7	5.7	5.8	5.9	5.9	5.9	5.9	6.0	6.0
Health Services	39.1	39.1	38.9	39.1	38.5	38.5	39.0	39.3	39.4	39.4	39.3	39.3	39.7
Nursing and Personal Care Facilities	7.0	7.2	7.0	7.0	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.1
Hospitals	19.9	20.0	20.0	20.1	19.5	19.5	19.7	19.9	20.0	19.9	19.9	19.9	20.0
Educational Services	8.2	8.6	9.6	9.6	9.1	7.6	6.5	5.6	5.5	8.4	9.2	9.6	9.3
Social Services	6.3	6.1	6.2	6.3	6.3	6.3	6.3	6.2	6.2	6.3	6.4	6.4	6.5
Engineering and Management Services	10.5	10.3	10.3	10.4	10.5	10.4	10.5	10.5	10.6	10.5	10.5	10.5	10.5
Research and Testing Services	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2	3.2
Government	77.1	77.9	77.3	78.2	77.9	79.1	77.0	72.6	72.9	76.8	78.4	78.8	78.4
Federal Government	29.1	29.4	29.3	29.3	29.6	30.0	29.2	29.1	29.1	28.5	28.4	28.5	28.3
State Government	7.3	7.3	7.1	7.5	7.6	7.4	7.6	6.7	6.7	7.0	7.7	7.7	7.7
State Government Education[e]	4.4	4.4	4.2	4.6	4.7	4.5	4.5	3.7	3.7	4.0	4.7	4.8	4.8
Local Government	40.7	41.2	40.9	41.4	40.7	41.7	40.2	36.8	37.1	41.3	42.4	42.6	42.4
Local Government Education	24.9	25.9	25.8	26.2	25.4	26.0	23.7	20.2	20.5	25.2	26.6	27.0	26.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-6 (1990)

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	448.4	439.2	440.9	444.2	446.8	448.3	449.7	446.1	447.1	453.7	453.4	454.8	456.0
Goods-Producing Industries[b]	123.0	122.0	121.6	122.5	122.1	123.0	124.2	124.1	124.7	124.7	123.3	122.6	121.2
Construction	17.5	16.1	15.8	16.5	17.0	17.8	18.3	18.6	18.6	18.4	18.1	17.9	17.2
Manufacturing	105.0	105.6	105.4	105.6	104.6	104.7	105.4	105.0	105.6	105.9	104.7	104.2	103.6
Durable Goods[c]	75.4	76.0	75.6	75.7	75.2	75.1	75.7	75.2	75.7	75.9	75.2	74.9	74.2
Fabricated Metal Products	8.6	8.5	8.5	8.6	8.6	8.6	8.6	8.7	8.6	8.6	8.6	8.5	8.4
Industrial Machinery and Equipment	32.0	32.3	32.3	32.4	31.9	32.0	32.2	31.8	32.1	32.3	31.8	31.8	31.6
Metalworking Machinery	8.6	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.7	8.7	8.6	8.7
General Industrial Machinery	2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9
Electronic and Other Electric Equipment	4.1	4.6	4.5	4.4	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.7	3.7
Transportation Equipment	21.6	21.6	21.5	21.4	21.5	21.5	21.7	21.4	21.6	21.8	21.7	21.8	21.4
Motor Vehicles and Equipment	18.4	18.4	18.3	18.3	18.4	18.4	18.6	18.2	18.4	18.6	18.4	18.5	18.2
Nondurable Goods[d]	29.7	29.6	29.8	29.8	29.5	29.6	29.7	29.8	29.9	29.9	29.5	29.3	29.4
Food and Kindred Products	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9	3.0	2.9	2.8	2.8
Paper and Allied Products	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.2	6.2	6.1	6.1	6.1	6.1
Printing and Publishing	8.9	8.9	8.9	9.0	8.8	8.9	8.9	9.1	9.1	9.0	8.8	8.9	8.9
Rubber and Miscellaneous Plastics Products	8.2	8.5	8.4	8.4	8.2	8.2	8.2	8.0	8.0	8.1	7.9	8.0	7.9
Service-Producing Industries	325.4	317.2	319.3	321.6	324.7	325.4	325.6	322.1	322.4	329.0	330.1	332.2	334.8
Transportation and Public Utilities	17.5	16.8	17.0	17.2	17.3	17.4	17.6	17.5	17.8	17.8	17.7	17.8	18.1
Transportation	11.2	10.8	10.9	11.1	11.1	11.1	11.2	11.1	11.4	11.5	11.3	11.4	11.6
Trucking and Warehousing	5.9	5.7	5.8	6.0	6.0	6.0	6.1	6.0	5.9	5.9	5.8	5.8	5.9
Communications, Electric, Gas Services	6.3	6.1	6.1	6.1	6.2	6.3	6.4	6.4	6.4	6.3	6.5	6.4	6.5
Communications	3.5	3.4	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Wholesale Trade	20.5	20.1	20.3	20.6	20.6	20.7	20.9	20.8	20.5	20.5	20.2	20.1	20.2
Wholesale Trade-Durable Goods	14.2	14.1	14.3	14.4	14.4	14.4	14.5	14.3	14.1	14.1	13.8	13.8	13.8
Wholesale Trade-Nondurable Goods	6.3	6.0	6.1	6.2	6.2	6.2	6.3	6.5	6.4	6.4	6.4	6.4	6.3
Retail Trade	80.0	78.0	77.1	78.2	78.9	79.6	80.1	79.8	80.1	80.6	80.9	82.3	83.9
General Merchandise Stores	11.8	11.7	11.1	11.2	11.2	11.2	11.2	11.3	11.5	12.0	12.4	13.2	13.8
Finance, Insurance, and Real Estate	17.6	17.6	17.5	17.7	17.5	17.7	17.8	17.9	17.9	17.8	17.5	17.4	17.4
Finance	9.7	9.8	9.8	9.9	9.7	9.7	9.8	9.9	9.9	9.8	9.6	9.5	9.6
Depository Institutions	7.4	7.5	7.5	7.5	7.4	7.5	7.5	7.5	7.5	7.4	7.3	7.3	7.4
Insurance	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4

See footnotes at end of table.

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	114.0	109.3	111.2	112.4	113.5	112.7	114.0	113.8	114.9	116.5	116.5	116.7	116.8
Business Services	22.3	20.5	20.9	21.1	21.7	22.1	22.3	22.6	23.0	23.0	23.3	23.3	23.6
Personnel Supply Services	6.5	5.6	5.7	5.7	6.0	6.4	6.5	6.6	6.8	6.8	7.1	7.1	7.2
Computer and Data Processing Services	4.9	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.9	4.9	5.0	5.0	5.1
Health Services	38.3	37.2	37.3	37.4	37.9	38.1	38.4	38.7	38.7	38.6	38.7	38.8	39.1
Nursing and Personal Care Facilities	7.0	7.0	7.0	7.0	6.9	7.0	7.0	7.0	7.0	6.9	7.0	7.0	7.1
Hospitals	19.6	19.1	19.1	19.0	19.5	19.6	19.7	19.8	19.8	19.7	19.8	19.8	19.8
Educational Services	8.2	8.2	9.2	9.2	8.9	7.2	6.7	6.0	5.6	8.6	9.5	9.7	9.3
Social Services	5.8	5.7	5.8	5.9	5.8	5.8	5.9	5.7	5.7	5.9	6.0	5.9	6.0
Engineering and Management Services	10.1	9.9	9.9	10.0	9.9	9.9	9.9	10.2	10.4	10.4	10.2	10.2	10.3
Research and Testing Services	3.3	3.2	3.2	3.2	3.2	3.2	3.3	3.4	3.4	3.3	3.3	3.2	3.2
Government	75.8	75.4	76.1	75.6	77.0	77.3	75.3	72.3	71.2	75.8	77.3	77.9	78.3
Federal Government	29.0	27.8	27.8	28.0	28.9	28.9	29.4	29.7	29.8	29.4	29.5	29.2	29.6
State Government	7.2	7.2	7.3	7.3	7.4	7.3	7.4	7.5	6.5	6.5	6.7	7.3	7.4
State Government Education[e]	4.3	4.4	4.4	4.5	4.5	4.4	4.5	4.5	3.6	3.6	3.9	4.5	4.6
Local Government	39.6	40.3	41.0	40.4	40.7	41.2	38.5	35.2	34.9	40.0	41.1	41.4	41.3
Local Government Education	24.5	25.7	26.3	25.7	25.9	26.2	22.9	19.4	19.2	24.7	26.0	26.3	26.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-6 (1989)

Dayton–Springfield MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.43	$12.93	$13.07	$13.22	$13.12	$13.56	$13.86	$13.52	$13.33	$13.69	$13.67	$13.54	$13.60
Durable Goods[b]	13.82	13.34	13.44	13.61	13.45	13.91	14.25	13.85	13.68	14.13	14.11	13.97	14.03
Fabricated Metal Products	9.83	9.84	9.94	9.84	9.75	10.03	10.05	9.77	9.74	9.74	9.71	9.65	9.84
Industrial Machinery and Equipment	14.08	13.84	13.75	13.87	13.84	14.14	14.10	13.99	14.11	14.40	14.24	14.28	14.39
Metalworking Machinery	13.23	13.07	12.98	12.97	12.90	13.17	13.32	13.08	13.34	13.50	13.32	13.55	13.61
General Industrial Machinery	11.91	11.47	11.52	11.96	11.49	11.81	11.94	11.75	11.85	12.04	12.25	12.33	12.40
Electronic and Other Electric Equipment	8.90	8.82	8.89	8.91	8.72	8.82	8.97	9.04	8.91	8.85	8.85	8.95	9.03
Transportation Equipment	17.02	16.25	16.43	16.73	16.46	17.17	17.82	17.18	16.72	17.37	17.54	17.06	17.29
Motor Vehicles and Equipment	17.28	16.45	16.65	17.00	16.71	17.45	18.16	17.41	16.95	17.61	17.78	17.31	17.58
Nondurable Goods[c]	12.25	11.62	11.94	12.04	12.13	12.49	12.63	12.50	12.28	12.36	12.33	12.29	12.35
Food and Kindred Products	8.75	8.72	8.75	8.85	8.78	8.87	8.95	8.66	8.70	8.65	8.72	8.63	8.67
Paper and Allied Products	11.44	11.16	11.15	11.25	11.26	11.64	11.48	11.32	11.48	11.50	11.55	11.68	11.77
Printing and Publishing	11.71	11.53	11.62	11.69	11.70	11.71	11.73	11.72	11.73	11.84	11.75	11.76	11.78
Rubber and Miscellaneous Plastics Products	16.06	15.01	15.51	15.64	15.83	16.35	16.88	16.81	16.17	16.24	16.19	15.98	15.85
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.08	13.82	13.85	13.83	14.01	13.95	14.06	14.11	14.05	14.11	14.21	14.39	14.52
Communications	14.31	13.91	14.03	13.97	14.27	14.07	14.23	14.28	14.32	14.30	14.42	14.79	15.02
Wholesale Trade	10.04	9.93	10.00	10.04	9.97	9.96	10.04	9.95	9.97	10.06	10.14	10.26	10.14
Retail Trade[d]	6.25	6.05	6.09	6.18	6.18	6.19	6.18	6.21	6.27	6.34	6.38	6.39	6.46
General Merchandise Stores	6.61	6.45	6.55	6.55	6.50	6.48	6.46	6.53	6.65	6.76	6.77	6.64	6.87
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	11.98	11.77	11.78	11.73	11.99	12.01	12.05	12.14	12.11	12.13	11.98	12.05	12.05

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-6 (1990)

Dayton-Springfield MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.1	41.4	41.7	41.9	41.1	43.0	43.7	42.2	41.8	43.1	42.5	41.7	41.5
Durable Goods[b]	42.6	41.8	42.2	42.3	41.2	43.3	44.3	42.6	42.2	43.7	43.1	42.1	42.2
Fabricated Metal Products	40.9	40.7	41.3	40.7	40.0	42.4	41.9	40.5	41.4	41.1	40.4	40.3	40.5
Industrial Machinery and Equipment	43.1	42.7	42.5	42.4	41.5	43.6	43.0	42.8	43.4	44.6	43.7	43.3	43.2
Metalworking Machinery	44.9	45.7	44.7	43.8	43.0	44.6	44.9	44.3	46.4	46.5	44.9	45.2	44.9
General Industrial Machinery	44.4	44.5	43.0	44.8	40.8	44.7	45.7	42.7	42.9	45.4	45.7	45.9	46.3
Electronic and Other Electric Equipment	42.6	41.7	42.4	41.8	41.5	42.1	43.2	42.9	42.7	43.1	42.9	43.8	43.3
Transportation Equipment	43.3	41.7	42.7	43.2	41.7	44.3	48.0	43.8	41.6	44.8	44.1	41.9	41.8
Motor Vehicles and Equipment	43.2	41.4	42.6	43.2	41.7	44.4	48.5	43.8	41.3	44.9	44.0	41.4	41.2
Nondurable Goods[c]	40.8	40.1	40.2	40.6	40.5	42.1	42.1	41.0	40.6	41.5	41.0	40.6	39.8
Food and Kindred Products	39.3	38.9	38.1	39.2	39.9	40.4	41.1	39.0	39.2	39.0	39.3	38.4	38.9
Paper and Allied Products	43.8	43.4	42.6	43.3	42.3	45.5	44.0	43.3	43.5	45.0	45.0	44.6	42.8
Printing and Publishing	39.1	38.6	39.5	40.0	39.8	39.5	38.8	39.3	38.6	39.7	38.8	38.6	37.9
Rubber and Miscellaneous Plastics Products	39.5	37.1	38.6	38.5	39.3	41.3	42.2	41.4	39.3	40.3	39.1	38.5	37.9
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.4	40.7	40.6	40.5	40.2	39.9	40.2	40.4	39.8	40.3	40.3	40.7	41.2
Communications	40.3	39.9	39.5	40.3	39.9	39.8	39.8	40.3	40.0	40.3	40.2	41.1	41.9
Wholesale Trade	39.4	39.4	39.5	39.4	39.5	39.2	39.7	39.6	39.5	39.2	39.4	39.1	38.9
Retail Trade	28.3	27.6	27.9	28.0	28.2	28.5	28.7	28.9	28.6	28.2	28.1	27.9	29.1
General Merchandise Stores	28.1	27.2	26.9	27.8	27.7	27.8	28.2	28.7	28.1	28.0	27.9	27.3	31.3
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.6	34.8	34.4	34.3	34.4	34.2	34.6	34.7	34.6	35.0	34.5	34.7	34.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-6 (1990)

Dayton–Springfield MSA

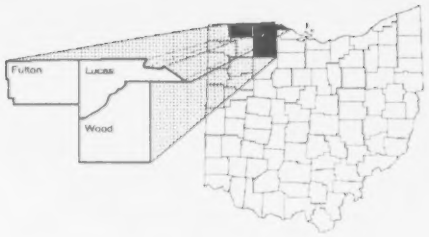
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$565.40	$535.30	$545.02	$553.92	$539.23	$583.08	$605.68	$570.54	$557.19	$590.04	$580.98	$564.62	$564.40
Durable Goods[b]	588.73	557.61	567.17	575.70	554.14	602.30	631.28	590.01	577.30	617.48	608.14	588.14	592.07
Fabricated Metal Products	402.05	400.49	410.52	400.49	390.00	425.27	421.10	395.69	403.24	400.31	392.28	388.90	398.52
Industrial Machinery and Equipment	606.85	590.97	584.38	588.09	574.36	616.50	606.30	598.77	612.37	642.24	622.29	618.32	621.65
Metalworking Machinery	594.03	597.30	580.21	568.09	554.70	587.38	598.07	579.44	618.98	627.75	598.07	612.46	611.09
General Industrial Machinery	528.80	510.42	495.36	535.81	468.79	527.91	545.66	501.73	508.37	546.62	559.83	565.95	574.12
Electronic and Other Electric Equipment	379.14	367.79	376.94	372.44	361.88	371.32	387.50	387.82	380.46	381.44	379.67	392.01	391.00
Transportation Equipment	736.97	677.63	701.56	722.74	686.38	760.63	855.36	752.48	695.55	778.18	773.51	714.81	722.72
Motor Vehicles and Equipment	746.50	681.03	709.29	734.40	696.81	774.78	880.76	762.56	700.04	790.69	782.32	716.63	724.30
Nondurable Goods[c]	499.80	465.96	479.99	488.82	491.27	525.83	531.72	512.50	498.57	512.94	505.53	498.97	491.53
Food and Kindred Products	343.88	339.21	333.38	346.92	350.32	358.35	367.85	337.74	341.04	337.35	342.70	331.39	337.26
Paper and Allied Products	501.07	484.34	474.99	487.13	476.30	529.62	505.12	490.16	499.38	517.50	519.75	520.93	503.76
Printing and Publishing	457.86	445.06	458.99	467.60	465.66	462.55	455.12	460.60	452.78	470.05	455.90	453.94	446.46
Rubber and Miscellaneous Plastics Products	634.37	556.87	598.69	602.14	622.12	675.26	712.34	695.93	635.48	654.47	633.03	615.23	600.72
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	568.83	562.47	562.31	560.12	563.20	556.61	565.21	570.04	559.19	568.63	572.66	585.67	598.22
Communications	576.69	555.01	554.19	562.99	569.37	559.99	566.35	575.48	572.80	576.29	579.68	607.87	629.34
Wholesale Trade	395.58	391.24	395.00	395.58	393.82	390.43	398.59	394.02	393.82	394.35	399.52	401.17	394.45
Retail Trade[d]	176.88	166.98	169.91	173.04	174.28	176.42	177.37	179.47	179.32	178.79	179.28	178.28	187.99
General Merchandise Stores	185.74	175.44	176.20	182.09	180.05	180.14	182.17	187.41	186.87	189.28	188.88	181.27	215.03
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	277.33	269.47	273.68	277.26	273.58	271.35	273.38	270.29	276.95	286.00	280.60	284.90	290.26
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	414.51	409.60	405.23	402.34	412.46	410.74	416.93	421.26	419.01	424.55	413.31	418.14	415.73

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-6 (1990)

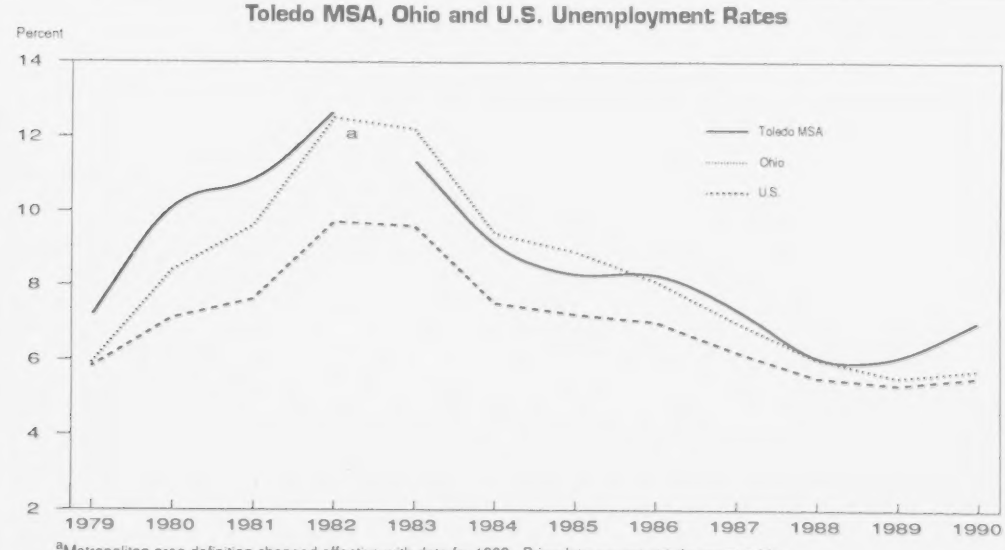
Toledo Metropolitan Statistical Area



In the Toledo metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, dropped 2,300 below the 1989 level to 313,900 in 1990. The total number of employed workers fell 5,300 to 292,100, while unemployment rose 3,000 over the year. The unemployment rate increased from 6.0 percent in 1989 to 6.9 percent in 1990.

Nonagricultural wage and salary employment declined 1,200 from 1989 to 290,700 in 1990. Employment in the goods-producing sector, at 71,200, lost 2,500 jobs due to production cutbacks in nearly all major manufacturing industries. Noteworthy reductions were posted in transportation equipment, fabricated metal products, rubber and miscellaneous plastics products, industrial machinery and equipment, and food and kindred products. Construction employment was down fractionally from 1989. Expansion in service-producing industries added 1,300 employees to the workforce. Over-the-year growth in services, transportation and public utilities, and government more than offset declines in retail trade and wholesale trade.

Toledo MSA, Ohio and U.S. Unemployment Rates



[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

Toledo MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

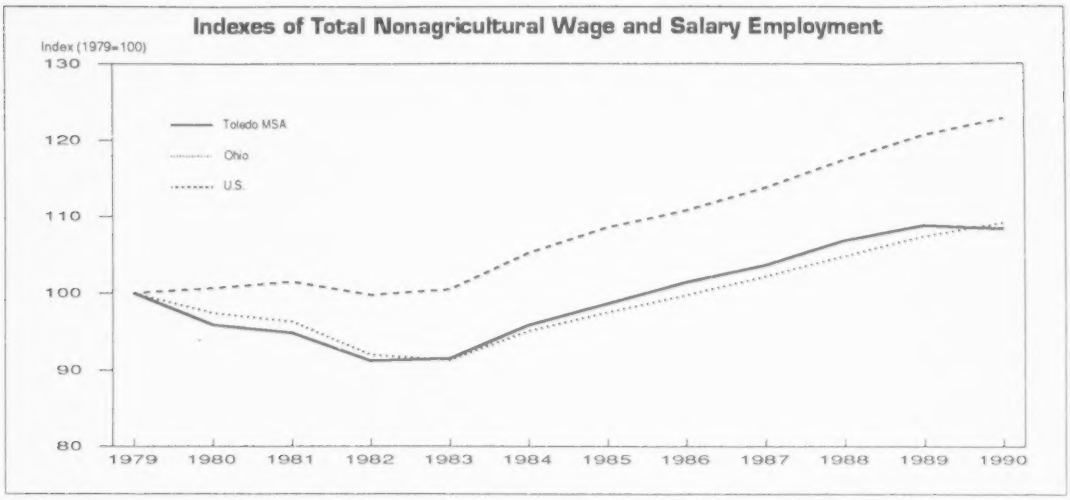
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods-Producing Industries	Service-Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
368.2	341.7	26.4	7.2	5.9	5.8	1979	268.2	88.0	180.2
368.2	329.8	38.4	10.4	8.4	7.1	1980	257.0	77.1	179.9
367.4	328.0	39.4	10.7	9.6	7.6	1981	254.2	75.6	178.7
369.4	323.0	46.4	12.6	12.5	9.7	1982	244.4	67.8	176.6
289.2[c]	256.1[c]	33.1[c]	11.4[c]	12.2	9.6	1983	245.3	67.1	178.2
293.5	267.3	26.2	8.9	9.4	7.5	1984	257.0	72.9	184.0
296.5	272.3	24.3	8.2	8.9	7.2	1985	264.5	74.5	190.1
307.1	281.2	25.8	8.4	8.1	7.0	1986	272.0	73.1	198.9
307.6	285.1	22.5	7.3	7.0	6.2	1987	278.0	72.5	205.5
311.0	292.7	18.2	5.9	6.0	5.5	1988	286.6	74.0	212.6
316.2	297.4	18.8	6.0	5.5	5.3	1989	291.9	73.7	218.2
313.9	292.1	21.8	6.9	5.7	5.5	1990	290.7	71.2	219.5

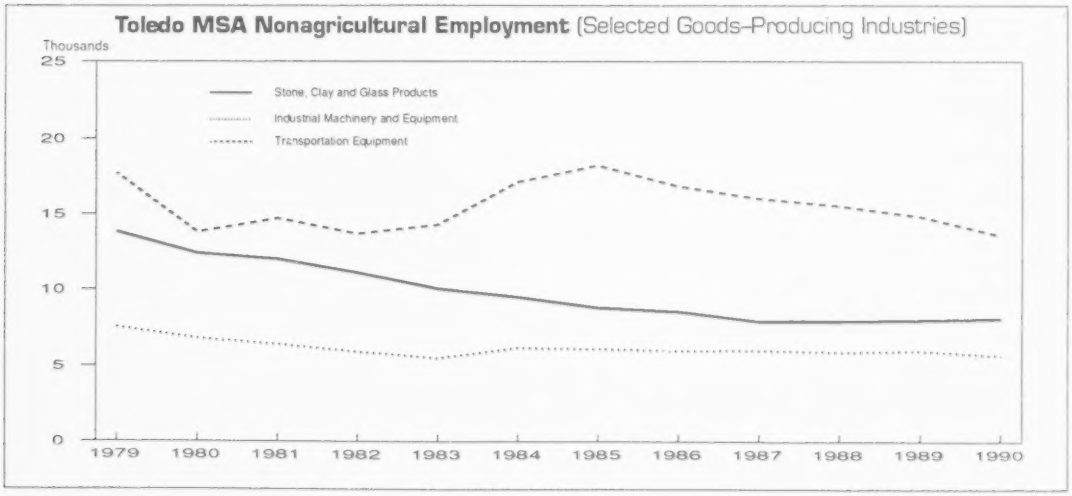
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

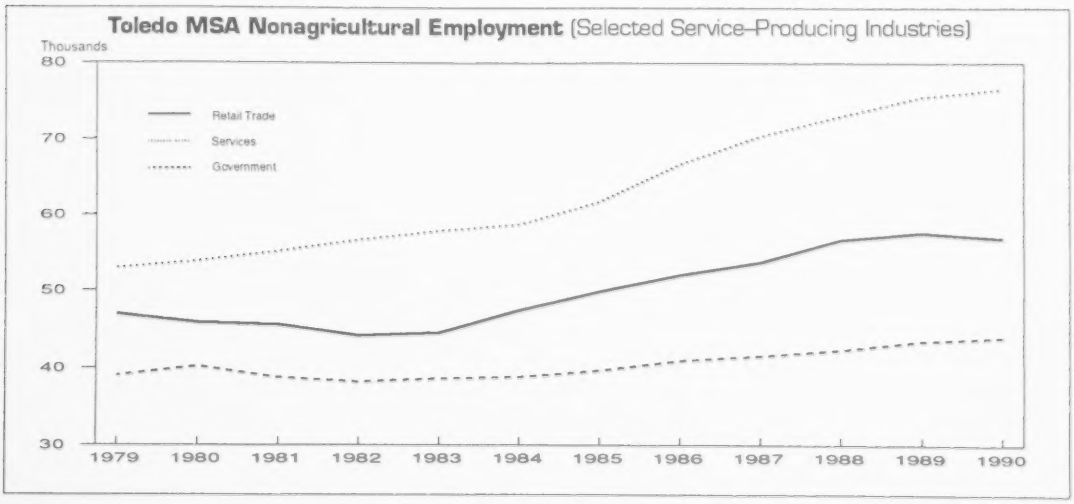
Nonfarm payroll employment in the Toledo area gained 45,400 jobs since the 1983 economic downturn. Significant growth occurred in services (+18,800) and retail trade (+12,400). Noteworthy improvements were posted in government, construction, and finance, insurance, and real estate. From 1979 to 1990, employment increased 22,500 or 8.4 percent. During the same period, the manufacturing workforce declined 18,200 and transportation and public utilities lost 2,900 jobs.

Toledo MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
10.3	77.4	1979	17.7	14.3	46.9	1979	9.3	53.0	39.0
10.5	66.4	1980	16.5	14.0	45.8	1980	9.4	53.9	40.2
9.5	65.8	1981	15.6	14.2	45.6	1981	9.4	55.1	38.7
7.4	60.2	1982	14.4	13.9	44.1	1982	9.4	56.6	38.1
7.3	59.6	1983	13.8	14.0	44.5	1983	9.5	57.8	38.6
7.9	64.8	1984	14.2	15.2	47.4	1984	9.7	58.7	38.8
8.5	65.7	1985	13.9	14.8	49.8	1985	10.2	61.7	39.6
9.5	63.4	1986	13.8	14.6	52.0	1986	11.0	66.6	40.9
10.1	62.2	1987	13.7	14.7	53.7	1987	11.6	70.3	41.5
11.1	62.7	1988	13.4	15.2	56.6	1988	12.2	72.9	42.3
11.9	61.5	1989	14.1	15.5	57.5	1989	12.1	75.5	43.4
11.8	59.2	1990	14.8	15.3	56.9	1990	12.1	76.6	43.9


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Toledo MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Toledo MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
25
20
15
10
5
0
Stone, Clay and Glass Products
Industrial Machinery and Equipment
Transportation Equipment
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Toledo MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
80
70
60
50
40
30
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Toledo MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	290.7	281.9	286.0	288.4	291.2	294.0	293.1	288.9	288.4	294.4	294.8	295.7	291.4
Goods-Producing Industries[b]	71.2	66.5	69.6	70.0	71.8	72.4	73.1	73.1	73.3	73.9	72.3	71.8	66.7
Construction	11.8	10.6	10.5	11.0	11.9	12.1	12.2	12.4	12.6	12.6	12.5	12.0	11.3
Manufacturing	59.2	55.7	58.9	58.9	59.7	60.0	60.7	60.4	60.4	61.1	59.5	59.5	55.2
Durable Goods[c]	44.1	40.7	44.0	44.0	44.6	44.9	45.6	45.4	45.1	45.4	44.4	44.7	40.4
Stone, Clay, and Glass Products	8.1	8.0	8.1	8.1	8.3	8.3	8.2	8.1	8.1	8.3	8.2	8.2	7.8
Primary Metal Industries	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.1	3.3	3.3	3.2	3.3	3.3
Fabricated Metal Products	6.5	5.8	6.4	6.6	6.6	6.7	6.8	6.9	6.6	6.7	6.3	6.6	6.3
Metal Forgings and Stampings	2.5	2.0	2.6	2.6	2.6	2.6	2.6	2.7	2.4	2.6	2.3	2.6	2.3
Industrial Machinery and Equipment	5.7	5.7	5.6	5.6	5.6	5.6	5.7	5.8	5.8	5.9	5.8	5.8	5.8
Transportation Equipment	13.6	11.2	14.2	13.9	14.2	14.3	14.6	14.5	14.4	14.3	13.8	13.7	9.9
Nondurable Goods[d]	15.1	15.0	14.9	14.9	15.1	15.1	15.1	15.0	15.3	15.7	15.2	14.8	14.8
Food and Kindred Products	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.8	4.2	3.8	3.4	3.5
Rubber and Miscellaneous Plastics Products	3.8	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.9	3.8
Service-Producing Industries	219.5	215.4	216.4	218.4	219.4	221.6	220.0	215.8	215.1	220.5	222.5	224.0	224.7
Transportation and Public Utilities	14.8	14.1	14.3	14.5	14.5	14.7	14.9	15.0	14.9	14.9	15.0	15.0	15.2
Transportation	10.0	9.4	9.6	9.7	9.9	10.1	10.1	10.2	10.1	10.1	10.2	10.1	10.3
Communications, Electric, Gas Services	4.8	4.7	4.7	4.7	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9
Wholesale Trade	15.3	15.2	15.1	15.1	15.2	15.3	15.4	15.4	15.4	15.3	15.4	15.3	15.2
Wholesale Trade-Durable Goods	9.9	9.9	9.8	9.9	9.8	9.9	9.9	10.0	10.0	10.0	10.0	9.9	9.9
Wholesale Trade-Nondurable Goods	5.3	5.3	5.2	5.3	5.4	5.4	5.4	5.4	5.3	5.3	5.4	5.3	5.4
Retail Trade	56.9	55.9	54.9	55.2	56.0	56.8	57.6	57.1	57.5	57.3	57.0	58.1	58.9
General Merchandise Stores	8.7	9.0	8.3	8.3	8.5	8.5	8.5	8.5	8.5	8.6	8.7	9.3	9.7
Finance, Insurance, and Real Estate	12.1	12.0	12.0	12.0	12.1	12.1	12.2	12.2	12.2	12.1	12.2	12.1	12.1
Finance	6.2	6.3	6.3	6.3	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2	6.2
Insurance	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Services	76.6	74.2	74.3	75.4	75.7	76.3	77.4	77.6	77.6	78.0	77.5	77.3	77.6
Business Services	12.7	12.5	12.4	12.6	12.6	12.7	12.9	13.0	13.0	13.0	12.7	12.6	12.7
Personnel Supply Services	4.7	4.3	4.3	4.5	4.5	4.7	4.9	4.9	4.9	5.0	4.8	4.9	4.8
Health Services	28.0	27.7	27.8	27.7	27.6	27.7	27.9	28.1	28.1	28.2	28.2	28.4	28.7
Nursing and Personal Care Facilities	4.1	4.1	4.2	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.0	4.1
Hospitals	15.2	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.3	15.3	15.4	15.5
Engineering and Management Services	6.1	5.9	6.0	6.0	5.9	5.9	6.0	6.1	6.2	6.1	6.2	6.2	6.2

See footnotes at end of table.

Toledo MSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.9	44.0	45.8	46.2	45.8	46.4	42.6	38.5	37.5	42.9	45.4	46.1	45.7
Federal Government	2.7	2.6	2.6	2.7	2.8	3.2	2.9	2.8	2.6	2.5	2.5	2.5	2.5
State Government	16.2	16.0	17.4	17.7	17.4	17.4	14.3	13.1	12.6	15.7	17.5	18.0	17.7
State Government Education[e]	11.9	11.7	13.1	13.3	13.1	13.0	9.8	8.7	8.2	11.4	13.2	13.7	13.5
Local Government	25.0	25.4	25.8	25.8	25.6	25.8	25.5	22.5	22.3	24.7	25.4	25.7	25.6
Local Government Education	14.4	14.8	15.3	15.2	14.9	15.1	14.6	11.5	11.5	14.2	15.0	15.3	15.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-7 (1990)

Toledo MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	291.9	288.1	287.7	290.7	293.0	295.6	293.8	288.0	287.2	293.6	294.5	295.6	294.6
Goods-Producing Industries[b]	73.7	72.9	72.6	73.4	74.2	74.7	74.6	74.8	74.9	74.7	73.3	73.2	71.2
Construction	11.9	10.1	10.0	10.6	11.4	11.9	12.2	12.7	13.3	13.2	13.3	12.8	11.8
Manufacturing	61.5	62.6	62.4	62.7	62.6	62.5	62.1	61.8	61.3	61.2	59.8	60.1	59.2
Durable Goods[c]	45.8	46.9	46.9	47.2	46.9	46.8	46.3	46.1	45.2	44.9	44.2	44.7	44.0
Stone, Clay, and Glass Products	8.0	8.1	8.1	8.1	7.9	7.9	8.0	8.0	8.1	8.0	7.9	8.0	7.9
Primary Metal Industries	3.4	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.4	3.3	3.3	3.0
Fabricated Metal Products	7.0	7.2	7.2	7.2	7.2	7.2	7.2	6.9	6.9	6.9	6.6	6.6	6.6
Metal Forgings and Stampings	2.8	3.0	3.0	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.6	2.6	2.6
Industrial Machinery and Equipment	6.0	6.2	6.2	6.4	6.1	6.1	6.2	6.2	5.8	5.7	5.8	5.9	5.6
Transportation Equipment	14.9	15.3	15.3	15.3	15.7	15.5	14.8	14.9	14.6	14.4	14.1	14.4	14.2
Nondurable Goods[d]	15.7	15.7	15.5	15.5	15.6	15.8	15.8	15.7	16.1	16.3	15.6	15.4	15.2
Food and Kindred Products	4.1	4.0	3.8	3.7	3.9	4.0	4.0	4.1	4.5	4.7	4.1	4.0	4.0
Rubber and Miscellaneous Plastics Products	4.1	4.3	4.3	4.3	4.3	4.3	4.2	4.1	4.2	4.1	4.0	3.9	3.8
Service-Producing Industries	218.2	215.2	215.1	217.3	218.7	221.0	219.2	213.3	212.3	218.9	221.2	222.5	223.4
Transportation and Public Utilities	14.1	13.6	13.6	13.7	13.8	14.1	14.3	14.3	14.2	14.3	14.5	14.5	14.6
Transportation	9.3	8.8	8.8	8.9	9.0	9.2	9.4	9.4	9.4	9.4	9.6	9.7	9.8
Communications, Electric, Gas Services	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8
Wholesale Trade	15.5	15.3	15.3	15.5	15.7	15.7	15.8	15.6	15.4	15.3	15.5	15.5	15.5
Wholesale Trade-Durable Goods	10.2	10.3	10.2	10.4	10.4	10.3	10.4	10.3	10.1	10.1	10.2	10.1	10.1
Wholesale Trade-Nondurable Goods	5.3	5.1	5.1	5.1	5.3	5.3	5.4	5.3	5.2	5.2	5.4	5.4	5.4
Retail Trade	57.5	57.1	56.1	56.6	57.2	58.4	58.4	57.4	57.6	57.3	57.0	58.3	59.2
General Merchandise Stores	8.4	8.6	8.1	8.1	8.1	8.2	8.1	8.2	8.2	8.2	8.4	9.2	9.6
Finance, Insurance, and Real Estate	12.1	11.9	11.9	12.0	12.0	12.2	12.3	12.2	12.2	12.1	12.2	12.2	12.1
Finance	6.3	6.3	6.3	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.3	6.3	6.2
Insurance	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.8	3.8	3.8	3.8
Services	75.5	72.9	73.3	74.2	74.9	75.6	77.0	76.3	76.3	76.7	76.5	76.0	76.1
Business Services	13.1	12.6	12.7	12.8	12.7	13.1	13.6	13.5	13.5	13.5	13.2	13.1	13.2
Personnel Supply Services	4.9	4.4	4.5	4.5	4.6	5.0	5.3	5.1	5.1	5.2	5.0	5.1	5.1
Health Services	27.6	27.1	27.2	27.4	27.4	27.5	27.6	27.8	27.8	27.8	27.8	27.7	27.9
Nursing and Personal Care Facilities	4.2	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Hospitals	15.1	14.9	15.0	15.1	15.1	15.1	15.2	15.2	15.3	15.2	15.1	15.1	15.1
Engineering and Management Services	5.9	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.1	6.0	6.0	6.0	6.1

See footnotes at end of table.

Toledo MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.4	44.3	44.9	45.3	45.2	45.1	41.4	37.5	36.6	43.3	45.4	46.0	46.0
Federal Government	2.7	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6
State Government	15.9	16.5	16.8	17.2	17.1	16.7	13.7	12.6	12.2	15.7	17.3	17.6	17.5
State Government Education[e]	11.7	12.4	12.7	13.0	12.9	12.5	9.4	8.3	7.9	11.4	13.1	13.4	13.2
Local Government	24.8	25.2	25.5	25.5	25.5	25.6	25.0	22.1	21.7	24.9	25.4	25.9	25.8
Local Government Education	14.3	14.8	15.2	15.2	15.0	15.1	14.2	11.2	10.9	14.4	14.8	15.2	15.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-7 (1989)

Toledo MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.46	$12.42	$13.19	$13.50	$13.53	$13.58	$13.50	$13.46	$13.57	$13.76	$13.58	$13.73	$13.40
Durable Goods[b]	13.65	12.28	13.35	13.76	13.77	13.80	13.68	13.63	13.78	14.10	13.83	13.92	13.44
Stone, Clay, and Glass Products	12.45	11.91	11.87	11.98	12.78	12.72	12.64	12.45	12.52	12.55	12.63	12.58	12.71
Primary Metal Industries	11.61	11.40	11.29	11.30	11.17	11.73	11.75	11.64	11.71	11.78	12.00	11.76	11.63
Fabricated Metal Products	11.72	11.27	11.73	11.96	11.51	11.81	11.62	11.55	11.89	11.73	11.58	11.98	12.00
Metal Forgings and Stampings	16.15	15.05	15.51	16.24	15.63	16.28	16.22	15.99	16.98	16.11	16.22	16.72	16.53
Industrial Machinery and Equipment	11.77	11.60	11.62	11.78	11.63	11.69	11.99	11.87	11.63	11.92	11.84	11.80	11.82
Transportation Equipment	17.62	17.36	16.72	17.60	17.58	17.61	17.43	17.48	17.72	18.37	17.85	17.80	17.75
Nondurable Goods[c]	12.85	12.74	12.64	12.60	12.75	12.86	12.90	12.92	12.88	12.68	12.75	13.17	13.26
Food and Kindred Products	14.53	14.77	14.19	14.09	13.64	14.15	14.58	14.76	14.61	13.80	14.63	15.78	15.40
Rubber and Miscellaneous Plastics Products	9.01	8.91	8.81	8.96	9.03	9.08	9.21	9.24	9.11	9.13	8.97	8.84	8.76
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	15.69	14.89	16.37	16.37	15.70	15.58	15.59	15.54	15.58	15.65	15.58	15.62	15.65
Wholesale Trade	10.39	10.30	10.30	10.39	10.31	10.31	10.45	10.39	10.42	10.46	10.46	10.37	10.53
Retail Trade[d]	6.19	6.05	6.04	6.03	6.05	6.08	6.05	6.14	6.13	6.20	6.29	6.77	6.37

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-7 (1990)

Toledo MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.1	42.1	41.8	43.6	43.0	43.4	43.4	42.8	43.1	44.4	43.1	43.4	42.8
Durable Goods[b]	43.2	41.7	42.0	44.3	43.0	43.6	43.3	42.7	43.3	44.8	43.3	43.0	42.3
Stone, Clay, and Glass Products	42.6	41.3	40.9	42.2	44.5	43.1	44.3	43.4	43.0	43.0	42.4	41.3	41.5
Primary Metal Industries	44.3	43.2	40.7	43.1	41.8	46.9	47.7	45.1	43.0	44.3	47.3	45.3	43.4
Fabricated Metal Products	43.6	40.3	41.4	46.6	44.0	44.3	43.5	42.4	46.2	45.6	43.8	43.1	41.6
Metal Forgings and Stampings	43.1	41.3	40.8	44.9	41.0	44.9	43.4	41.4	44.7	43.7	44.1	43.4	43.0
Industrial Machinery and Equipment	42.3	42.6	42.9	43.1	41.5	41.7	43.4	43.0	40.7	42.0	42.1	41.6	42.7
Transportation Equipment	43.5	42.8	42.4	45.5	43.9	43.6	43.0	42.1	42.9	46.4	42.8	43.4	42.0
Nondurable Goods[c]	42.9	42.8	41.2	41.5	42.7	42.8	43.7	43.1	42.6	43.4	42.6	44.5	44.1
Food and Kindred Products	45.4	48.3	43.1	42.8	40.4	43.5	46.2	47.7	45.5	46.4	44.4	49.0	48.3
Rubber and Miscellaneous Plastics Products	41.3	40.3	39.8	41.3	42.5	41.5	42.7	41.2	40.8	41.6	41.3	41.6	40.8
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.7	40.9	44.8	44.7	42.0	41.9	42.2	41.1	40.4	40.6	40.6	40.7	41.1
Wholesale Trade	40.1	40.0	40.1	40.5	40.6	40.4	40.0	39.8	40.0	40.2	39.9	39.8	40.0
Retail Trade	27.0	26.5	27.0	26.6	26.9	27.1	27.1	27.6	27.1	26.8	27.0	27.0	27.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-7 (1990)

Toledo MSA

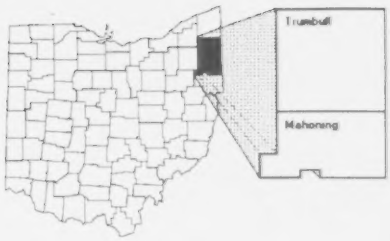
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$580.13	$522.88	$551.34	$588.60	$581.79	$589.37	$585.90	$576.09	$584.87	$610.94	$585.30	$595.88	$573.52
Durable Goods[b]	589.68	512.08	560.70	609.57	592.11	601.68	592.34	582.00	596.67	631.68	598.84	598.56	568.51
Stone, Clay, and Glass Products	530.37	491.88	485.48	505.56	568.71	548.23	559.95	540.33	538.36	539.65	535.51	519.55	527.47
Primary Metal Industries	514.32	492.48	459.50	487.03	466.91	550.14	560.48	524.96	503.53	521.85	567.60	532.73	504.74
Fabricated Metal Products	510.99	454.18	485.62	557.34	506.44	523.18	505.47	489.72	549.32	534.89	507.20	516.34	499.20
Metal Forgings and Stampings	696.07	621.57	632.81	729.18	640.83	730.97	703.95	661.99	759.01	704.01	715.30	725.65	710.79
Industrial Machinery and Equipment	497.87	494.16	498.50	507.72	482.65	487.47	520.37	510.41	473.34	500.64	498.46	490.88	504.71
Transportation Equipment	766.47	743.01	708.93	800.80	771.76	767.80	749.49	735.91	760.19	852.37	763.98	772.52	745.50
Nondurable Goods[c]	551.27	545.27	520.77	522.90	544.43	550.41	563.73	556.85	548.69	550.31	543.15	586.07	584.77
Food and Kindred Products	659.65	713.39	611.59	603.05	551.06	615.53	673.60	704.05	664.76	640.32	649.57	773.22	743.82
Rubber and Miscellaneous Plastics Products	372.11	359.07	350.64	370.05	383.78	376.82	393.27	380.69	371.69	379.81	370.46	367.74	357.41
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	654.27	609.00	733.38	731.74	659.40	652.80	657.90	638.69	629.43	635.39	632.55	635.73	643.22
Wholesale Trade	416.64	412.00	413.03	420.80	418.59	416.52	418.00	413.52	416.80	420.49	417.35	412.73	421.20
Retail Trade[d]	167.13	160.33	163.08	160.40	162.75	164.77	163.96	169.46	166.12	166.16	169.83	182.79	173.26
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	358.59	374.25	373.99	362.92	361.89	352.34	357.92	355.11	352.93	352.32	353.69	353.40	352.11

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

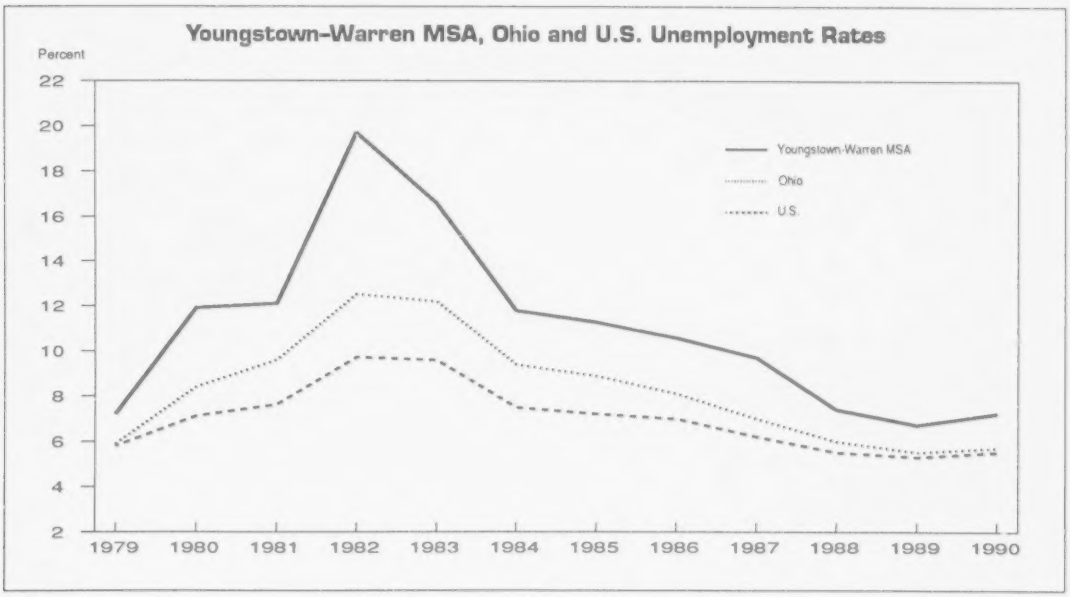
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-7 (1990)

Youngstown-Warren Metropolitan Statistical Area



The estimated annual average civilian labor force in the Youngstown-Warren metropolitan area, distributed by place of residence, was down 1,400 from 1989 to 221,800 in 1990. Total employment, at 205,900, dropped 2,500 over the year, while unemployment increased 1,000. The unemployment rate rose from 6.7 percent in 1989 to 7.2 percent in 1990.

Nonagricultural wage and salary employment increased 200 above the 1989 level to 197,700 in 1990. Expansion in service-producing industries created 1,800 jobs. Growth was recorded in services, especially health services, wholesale trade, retail trade, and government. Employment in transportation and public utilities and in finance, insurance, and real estate declined. The workforce in goods-producing industries fell 1,600 from 1989 to 56,700 as production cutbacks among manufacturers of durable goods outweighed nominal gains in construction and nondurable-goods manufacturing. Noteworthy reductions occurred in transportation equipment, primary metal industries, and fabricated metal products.



Youngstown–Warren MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

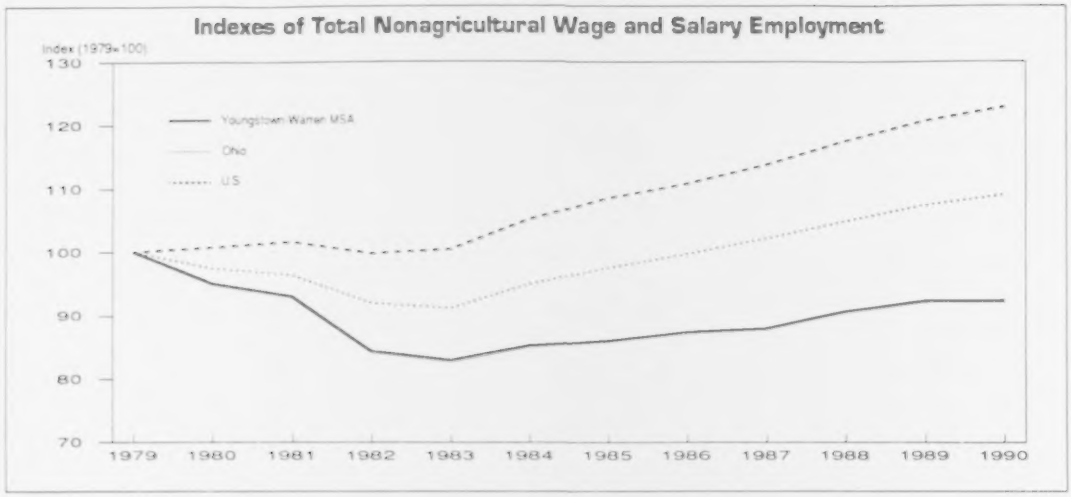
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
237.1	219.9	17.1	7.2	5.9	5.8	1979	213.9	87.4	126.5
238.9	210.5	28.4	11.9	8.4	7.1	1980	203.1	78.0	125.1
234.0	205.7	28.2	12.1	9.6	7.6	1981	198.7	74.5	124.2
237.0	190.3	46.6	19.7	12.5	9.7	1982	180.6	59.1	121.5
225.6	188.1	37.5	16.6	12.2	9.6	1983	177.4	58.3	119.2
222.2	195.9	26.3	11.8	9.4	7.5	1984	182.5	61.4	121.1
221.3	196.3	25.0	11.3	8.9	7.2	1985	184.2	59.7	124.5
223.7	200.0	23.7	10.6	8.1	7.0	1986	187.1	59.0	128.1
221.6	200.0	21.6	9.7	7.0	6.2	1987	188.3	56.8	131.5
221.3	204.9	16.4	7.4	6.0	5.5	1988	193.8	58.4	135.4
223.2	208.4	14.9	6.7	5.5	5.3	1989	197.5	58.3	139.2
221.8	205.9	15.9	7.2	5.7	5.5	1990	197.7	56.7	141.0

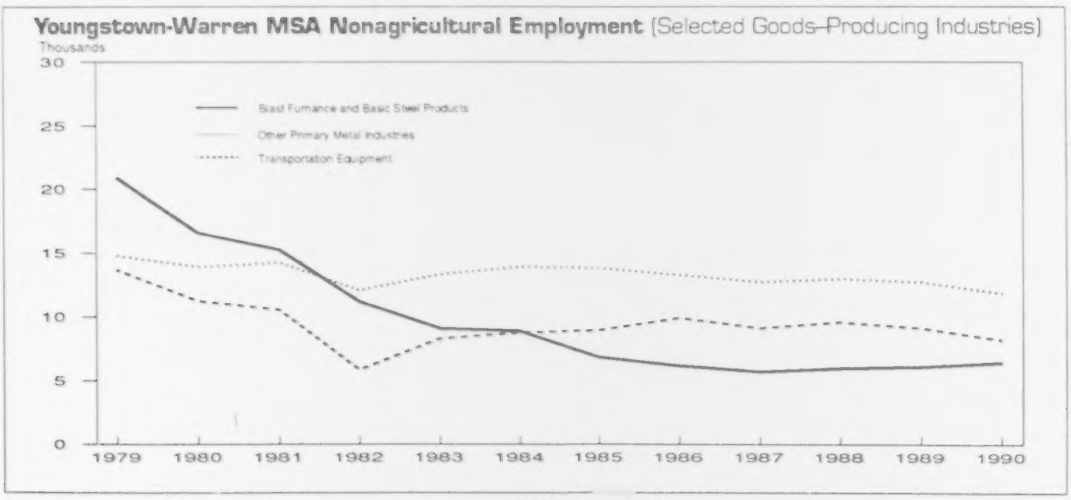
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

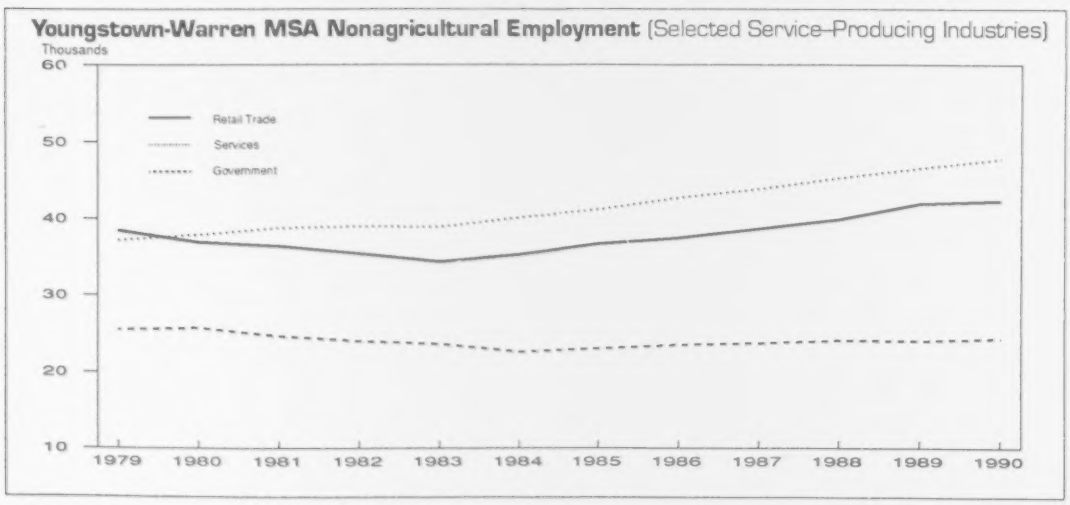
Nonfarm payroll employment in the Youngstown-Warren area rose 20,300 since the 1983 economic downturn. Noteworthy expansion occurred in services (+8,700) and retail trade (+7,900). Moderate gains were posted in construction and wholesale trade. Manufacturing employment declined 4,800. From 1979 to 1990, the workforce dropped 16,200 or 7.6 percent. The number of manufacturing jobs fell 31,900; transportation and public utilities lost 2,800; government decreased 1,400.

Youngstown–Warren MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
7.0	79.9	1979	10.1	8.2	38.5	1979	7.0	37.2	25.6
6.6	70.8	1980	9.6	7.9	36.9	1980	7.1	37.9	25.8
6.4	67.3	1981	9.2	8.1	36.3	1981	7.1	38.8	24.6
5.3	52.9	1982	8.2	7.9	35.4	1982	7.1	38.9	24.0
4.8	52.8	1983	7.6	7.7	34.3	1983	7.1	38.9	23.6
5.5	55.1	1984	7.7	8.3	35.2	1984	7.2	40.1	22.6
6.3	52.7	1985	7.6	8.6	36.6	1985	7.5	41.1	23.0
6.7	51.7	1986	7.5	9.0	37.4	1986	8.0	42.6	23.5
7.3	48.9	1987	7.6	9.6	38.6	1987	8.2	43.8	23.7
7.3	50.5	1988	7.7	10.3	39.8	1988	8.3	45.2	24.1
7.9	50.0	1989	7.6	10.7	41.8	1989	8.6	46.5	24.0
8.3	48.0	1990	7.3	11.2	42.2	1990	8.4	47.6	24.2


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
70
Youngstown-Warren MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Youngstown-Warren MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
30
25
20
15
10
5
0
Blast Furnance and Basic Steel Products
Other Primary Metal Industries
Transportation Equipment
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Youngstown-Warren MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
60
50
40
30
20
10
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Youngstown-Warren MSA

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	197.7	188.4	194.4	196.6	197.7	201.3	202.0	193.4	198.1	200.8	201.0	198.4	200.4
Goods-Producing Industries[b]	56.7	49.8	56.3	56.6	57.3	58.5	59.8	53.5	58.6	59.3	58.4	56.0	56.4
Construction	8.3	7.3	6.9	7.2	7.7	8.3	8.9	9.1	9.4	9.5	9.1	8.7	7.9
Manufacturing	48.0	42.2	48.9	49.0	49.2	49.8	50.5	43.9	48.7	49.4	48.9	47.0	48.2
Durable Goods[c]	42.7	37.1	43.8	43.8	44.1	44.5	45.0	38.6	43.2	44.0	43.5	41.5	42.9
Primary Metal Industries	18.3	17.5	18.4	18.4	18.6	18.8	18.9	18.2	18.4	18.7	18.3	17.5	17.4
Blast Furnace and Basic Steel Products	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.3	6.4	6.5
Fabricated Metal Products	7.1	5.8	6.9	6.9	7.2	7.3	7.3	7.2	7.3	7.3	7.2	7.2	7.2
Metal Forgings and Stampings	3.7	2.4	3.5	3.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
Industrial Machinery and Equipment	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.1	4.2	4.2
Transportation Equipment	8.2	4.5	9.3	9.3	9.1	9.1	9.5	4.0	8.3	9.0	9.1	7.8	9.2
Nondurable Goods[d]	5.3	5.0	5.1	5.2	5.1	5.4	5.5	5.3	5.5	5.3	5.4	5.5	5.3
Service-Producing Industries	141.0	138.5	138.2	139.9	140.4	142.8	142.2	139.9	139.5	141.5	142.6	142.4	144.0
Transportation and Public Utilities	7.3	7.3	7.3	7.4	7.3	7.4	7.4	7.3	7.4	7.4	7.3	7.3	7.3
Wholesale Trade	11.2	10.9	10.8	11.0	11.2	11.4	11.4	11.5	11.4	11.3	11.3	11.3	11.4
Wholesale Trade-Durable Goods	6.7	6.6	6.6	6.6	6.6	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6
Wholesale Trade-Nondurable Goods	4.6	4.3	4.3	4.4	4.5	4.6	4.6	4.7	4.7	4.6	4.7	4.7	4.9
Retail Trade	42.2	41.2	40.6	41.2	41.7	42.1	42.5	42.5	42.6	42.4	42.4	43.0	43.6
General Merchandise Stores	5.7	5.9	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.7	5.7	6.0	6.3
Finance, Insurance, and Real Estate	8.4	8.5	8.5	8.5	8.3	8.4	8.5	8.4	8.4	8.3	8.2	8.2	8.2
Finance	4.7	4.7	4.6	4.7	4.6	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6
Services	47.6	46.1	46.2	46.8	47.4	48.0	48.4	48.3	48.0	48.7	48.2	47.8	47.8
Health Services	21.4	21.1	21.1	21.2	21.2	21.3	21.5	21.6	21.6	21.5	21.5	21.5	21.6
Nursing and Personal Care Facilities	5.0	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.0	5.0	5.0	5.0
Hospitals	10.7	10.7	10.7	10.7	10.7	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.6
Government	24.2	24.5	24.7	25.1	24.5	25.6	24.1	21.9	21.7	23.4	25.1	24.8	25.5
State Government	4.2	4.2	4.6	4.7	4.3	4.6	4.7	3.5	3.5	3.5	4.6	4.3	4.7
State Government Education[e]	2.7	2.7	3.1	3.2	2.8	3.1	3.1	1.9	1.9	2.0	3.2	2.8	3.2
Local Government	17.8	18.3	18.0	18.3	18.0	18.4	17.1	16.0	16.2	17.9	18.4	18.5	18.7
Local Government Education	11.1	11.8	11.6	11.8	11.4	11.6	10.2	9.0	9.2	11.1	11.6	11.8	12.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-8 (1990)

Youngstown-Warren MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	197.5	193.7	193.8	195.6	197.0	199.1	200.0	193.0	197.4	199.3	200.2	200.3	200.2
Goods-Producing Industries[b]	58.3	57.9	57.7	57.8	58.4	59.0	59.6	55.1	59.3	59.7	59.1	58.9	57.4
Construction	7.9	6.5	6.3	6.6	7.3	7.8	8.3	8.7	9.0	9.0	8.8	8.6	7.8
Manufacturing	50.0	51.0	51.0	50.8	50.7	50.7	50.8	45.9	49.9	50.3	49.9	49.9	49.2
Durable Goods[c]	44.9	46.0	45.8	45.7	45.7	45.8	45.8	40.8	44.7	45.2	44.8	44.8	44.1
Primary Metal Industries	18.8	19.1	19.0	18.8	19.0	19.0	18.9	18.3	18.5	19.1	18.8	18.7	18.5
Blast Furnace and Basic Steel Products	6.1	5.8	5.8	5.7	5.9	6.1	6.3	6.3	6.4	6.3	6.2	6.0	6.3
Fabricated Metal Products	7.3	7.5	7.5	7.6	7.5	7.6	7.5	7.4	7.2	7.2	7.0	7.1	7.0
Metal Forgings and Stampings	3.8	4.0	3.9	4.0	4.0	4.0	3.8	3.9	3.8	3.7	3.6	3.6	3.6
Industrial Machinery and Equipment	4.3	4.2	4.2	4.3	4.4	4.3	4.4	4.3	4.3	4.4	4.2	4.3	4.3
Transportation Equipment	9.1	9.7	9.6	9.4	9.5	9.6	9.7	5.3	9.3	9.3	9.3	9.5	9.1
Nondurable Goods[d]	5.1	5.0	5.1	5.2	5.0	4.9	5.0	5.1	5.2	5.1	5.1	5.1	5.0
Service-Producing Industries	139.2	135.8	136.2	137.8	138.6	140.2	140.5	137.9	138.1	139.6	141.2	141.4	142.7
Transportation and Public Utilities	7.6	7.5	7.5	7.6	7.7	7.7	7.7	7.6	7.6	7.6	7.7	7.7	7.7
Wholesale Trade	10.7	10.5	10.6	10.7	10.6	10.8	11.0	10.8	10.7	10.7	10.6	10.7	10.8
Wholesale Trade-Durable Goods	6.8	6.8	6.8	6.8	6.8	6.9	7.0	6.9	6.8	6.8	6.7	6.7	6.7
Wholesale Trade-Nondurable Goods	3.9	3.8	3.8	3.9	3.8	3.9	4.0	3.9	3.9	3.9	3.9	4.0	4.1
Retail Trade	41.8	40.1	40.0	40.4	41.3	41.7	42.3	42.3	42.4	42.2	42.1	43.0	43.6
General Merchandise Stores	5.6	5.4	5.2	5.2	5.3	5.3	5.3	5.6	5.6	5.6	5.8	6.2	6.5
Finance, Insurance, and Real Estate	8.6	8.4	8.4	8.4	8.5	8.6	8.8	8.7	8.7	8.6	8.5	8.6	8.5
Finance	4.7	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.6
Services	46.5	44.7	45.0	45.4	45.9	46.4	47.1	47.3	47.3	47.4	47.3	46.9	47.0
Health Services	20.9	20.6	20.5	20.6	20.6	20.7	20.9	21.1	21.1	21.1	21.1	21.1	21.2
Nursing and Personal Care Facilities	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.8	4.7	4.7	4.7	4.6	4.7
Hospitals	10.7	10.6	10.6	10.6	10.6	10.6	10.7	10.9	10.9	10.9	10.8	10.8	10.8
Government	24.0	24.5	24.8	25.2	24.5	25.0	23.6	21.2	21.3	23.1	24.9	24.5	25.2
State Government	4.2	4.1	4.5	4.7	4.2	4.6	4.6	3.5	3.4	3.5	4.6	4.2	4.7
State Government Education[e]	2.7	2.6	3.1	3.2	2.7	3.1	3.1	1.8	1.8	1.9	3.2	2.8	3.3
Local Government	17.7	18.3	18.2	18.5	18.2	18.3	16.9	15.7	15.8	17.5	18.2	18.2	18.3
Local Government Education	11.2	12.1	11.9	12.2	11.9	11.9	10.2	9.0	8.9	11.0	11.7	11.7	11.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-8 (1989)

Youngtown-Warren MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$14.66	$13.74	$14.12	$14.23	$14.31	$14.52	$14.69	$14.36	$14.52	$15.26	$15.30	$15.24	$15.34
Durable Goods[b]	15.02	14.08	14.44	14.59	14.62	14.87	15.04	14.71	14.88	15.63	15.72	15.68	15.68
Primary Metal Industries	15.98	15.46	15.49	15.71	15.73	16.03	16.31	16.09	16.14	16.49	16.11	16.07	16.04
Blast Furnace and Basic Steel Products	14.46	14.25	14.41	14.51	14.57	14.32	14.32	14.25	14.29	14.79	14.60	14.65	14.53
Fabricated Metal Products	14.51	13.16	13.68	13.91	14.00	14.36	14.41	14.28	14.06	15.12	15.65	15.83	15.13
Metal Forgings and Stampings	17.15	16.22	16.15	16.22	16.28	16.62	16.67	16.83	16.42	17.82	18.66	18.98	18.07
Industrial Machinery and Equipment	12.37	12.37	12.49	12.39	12.12	12.26	12.42	12.31	12.32	12.44	12.50	12.26	12.49
Transportation Equipment	16.58	15.89	15.64	15.70	15.66	15.87	15.94	15.82	16.00	17.29	17.83	18.10	18.19
Nondurable Goods[c]	10.77	10.63	10.45	10.22	10.75	10.81	10.76	11.12	10.79	10.99	10.67	10.72	11.31
Wholesale Trade	9.94	9.84	9.94	9.87	9.87	9.92	9.88	9.80	9.93	10.06	10.05	10.00	10.11
Retail Trade[d]	6.59	6.54	6.55	6.56	6.53	6.52	6.48	6.58	6.58	6.59	6.62	6.73	6.76

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-8 (1990)

Youngstown-Warren MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.7	42.2	41.9	41.9	42.1	43.3	43.3	42.1	41.7	44.7	43.4	43.3	41.8
Durable Goods[b]	42.8	42.4	42.0	42.0	42.2	43.4	43.5	42.1	41.8	45.0	43.7	43.5	42.0
Primary Metal Industries	42.6	42.0	41.4	41.5	42.5	43.4	43.7	42.9	42.5	45.4	42.7	41.7	41.2
Blast Furnace and Basic Steel Products	47.2	46.5	46.7	46.6	47.6	46.1	46.8	46.5	46.7	51.4	47.3	47.6	46.5
Fabricated Metal Products	43.7	44.0	42.6	42.7	42.7	45.3	45.3	41.9	41.9	45.5	45.8	45.3	41.5
Metal Forgings and Stampings	45.7	47.7	42.7	43.1	43.0	47.6	48.3	42.5	42.4	49.6	49.6	49.0	43.0
Industrial Machinery and Equipment	41.7	41.5	43.2	42.3	40.2	41.6	41.8	40.8	41.2	42.6	41.3	41.2	42.2
Transportation Equipment	44.6	43.9	43.4	43.3	42.7	43.9	44.6	44.4	42.4	47.4	46.4	48.0	45.1
Nondurable Goods[c]	41.0	40.3	41.0	40.8	41.0	42.8	40.8	41.7	40.8	41.6	40.4	41.1	39.7
Wholesale Trade	38.3	38.8	38.8	38.5	38.2	38.5	38.0	38.5	38.1	38.3	37.9	37.7	37.7
Retail Trade	27.4	27.5	27.1	27.0	27.4	28.0	27.6	27.7	27.6	27.3	27.1	26.9	28.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-8 (1990)

Youngstown-Warren MSA

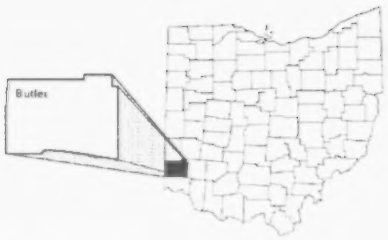
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$625.98	$579.83	$591.63	$596.24	$602.45	$628.72	$636.08	$604.56	$605.48	$682.12	$664.02	$659.89	$641.21
Durable Goods[b]	642.86	596.99	606.48	612.78	616.96	645.36	654.24	619.29	621.98	703.35	686.96	682.08	658.56
Primary Metal Industries	680.75	649.32	641.29	651.97	668.53	695.70	712.75	690.26	685.95	748.65	687.90	670.12	660.85
Blast Furnace and Basic Steel Products	682.51	662.63	672.95	676.17	693.53	660.15	670.18	662.63	667.34	760.21	690.58	697.34	675.65
Fabricated Metal Products	634.09	579.04	582.77	593.96	597.80	650.51	652.77	598.33	589.11	687.96	716.77	717.10	627.90
Metal Forgings and Stampings	783.76	773.69	689.61	699.08	700.04	791.11	805.16	715.28	696.21	883.87	925.54	930.02	777.01
Industrial Machinery and Equipment	515.83	513.36	539.57	524.10	487.22	510.02	519.16	502.25	507.58	529.94	516.25	505.11	527.08
Transportation Equipment	739.47	697.57	678.78	679.81	668.68	696.69	710.92	702.41	678.40	819.55	827.31	868.80	820.37
Nondurable Goods[c]	441.57	428.39	428.45	416.98	440.75	462.67	439.01	463.70	440.23	457.18	431.07	440.59	449.01
Wholesale Trade	380.70	381.79	385.67	380.00	377.03	381.92	375.44	377.30	378.33	385.30	380.90	377.00	381.15
Retail Trade[d]	180.57	179.85	177.51	177.12	178.92	182.56	178.85	182.27	181.61	179.91	179.40	181.04	189.28
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	228.08	225.13	227.34	224.07	226.99	228.98	225.10	225.26	231.02	230.07	234.41	229.61	229.24

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

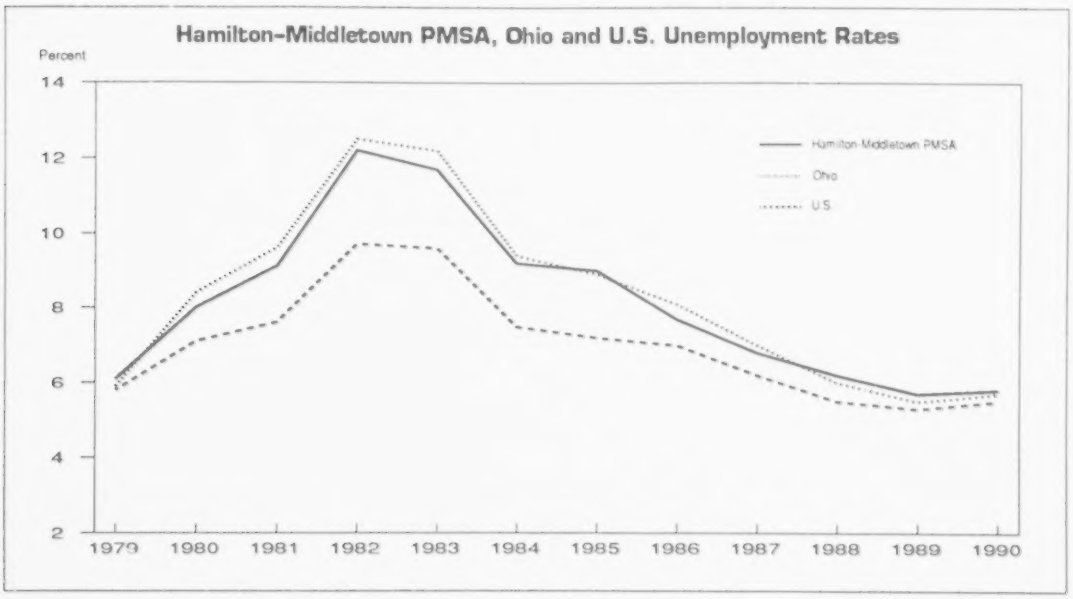
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-8 (1990)

Hamilton-Middletown Primary Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Hamilton-Middletown metropolitan area was unchanged from 1989 at 132,300 in 1990. Total employment decreased 100 to 124,600, while the number of unemployed increased 100. The unemployment rate rose from 5.7 percent in 1989 to 5.8 percent in 1990.

Nonagricultural wage and salary employment advanced 1.2 percent, or 1,200 jobs, above the 1989 level to 96,100 in 1990. Expansion in the service-producing sector added 1,800 to the workforce. Noteworthy growth occurred in local schools and in services, especially health services. Slight gains were posted in retail trade and wholesale trade. Employment in finance, insurance, and real estate declined over the year. The number of employees in goods-producing industries declined 600 from 1989 to 27,200. Production cutbacks among manufacturers of durable and nondurable goods more than offset nominal improvements in construction. Reductions were registered in paper and allied products, primary metal industries, and industrial machinery and equipment.



Hamilton–Middletown PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

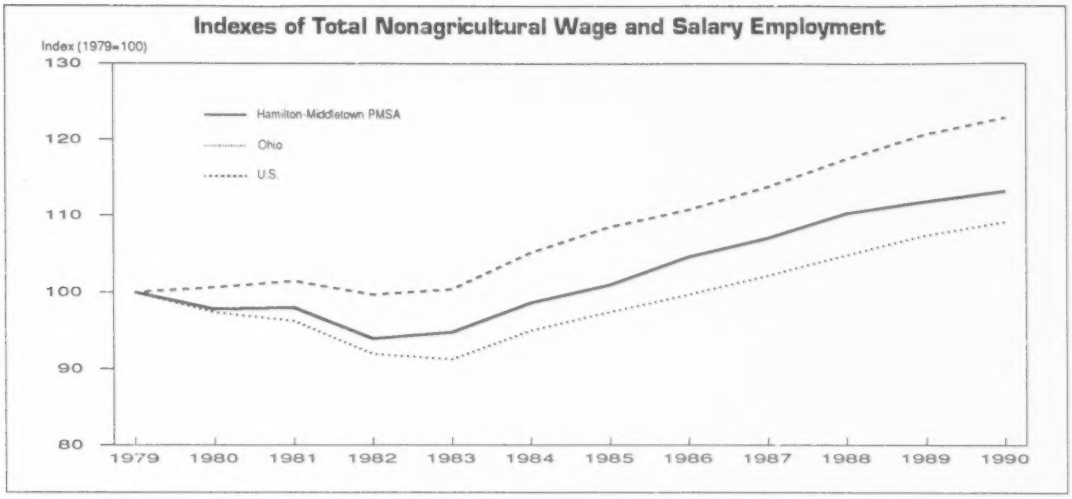
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
109.4	102.7	6.7	6.1	5.9	5.8	1979	84.9	34.0	50.8
109.9	101.1	8.8	8.0	8.4	7.1	1980	83.0	31.8	51.3
111.2	101.1	10.1	9.1	9.6	7.6	1981	83.2	31.8	51.4
112.2	98.5	13.7	12.2	12.5	9.7	1982	79.7	28.6	51.1
113.0	99.7	13.2	11.7	12.2	9.6	1983	80.5	28.2	52.3
123.8	112.4	11.4	9.2	9.4	7.5	1984	83.7	29.5	54.2
125.5	114.1	11.4	9.0	8.9	7.2	1985	85.7	28.9	56.8
128.8	118.9	9.9	7.7	8.1	7.0	1986	88.8	29.1	59.7
128.9	120.1	8.8	6.8	7.0	6.2	1987	90.8	28.0	62.8
131.1	122.9	8.2	6.2	6.0	5.5	1988	93.6	28.2	65.4
132.3	124.7	7.6	5.7	5.5	5.3	1989	94.9	27.8	67.1
132.3	124.6	7.7	5.8	5.7	5.5	1990	96.1	27.2	68.9

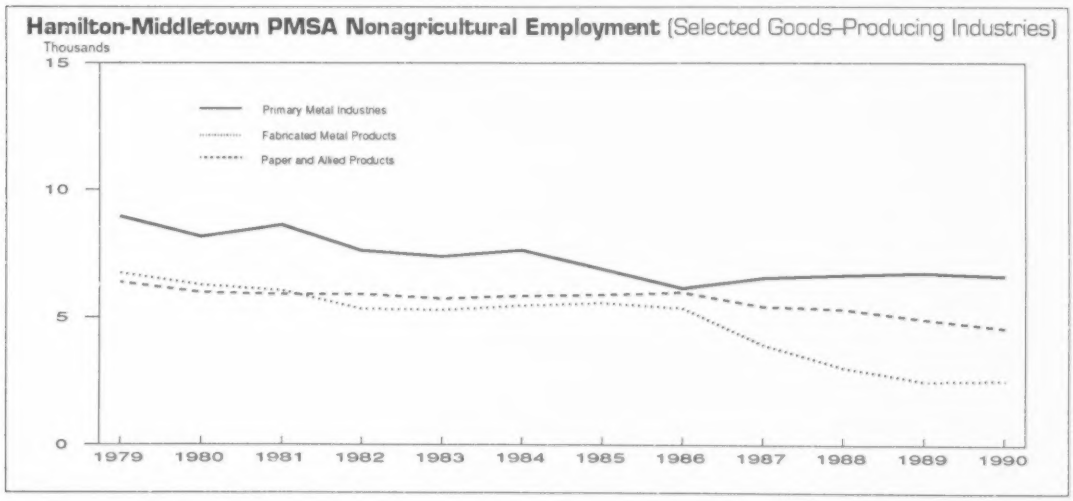
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

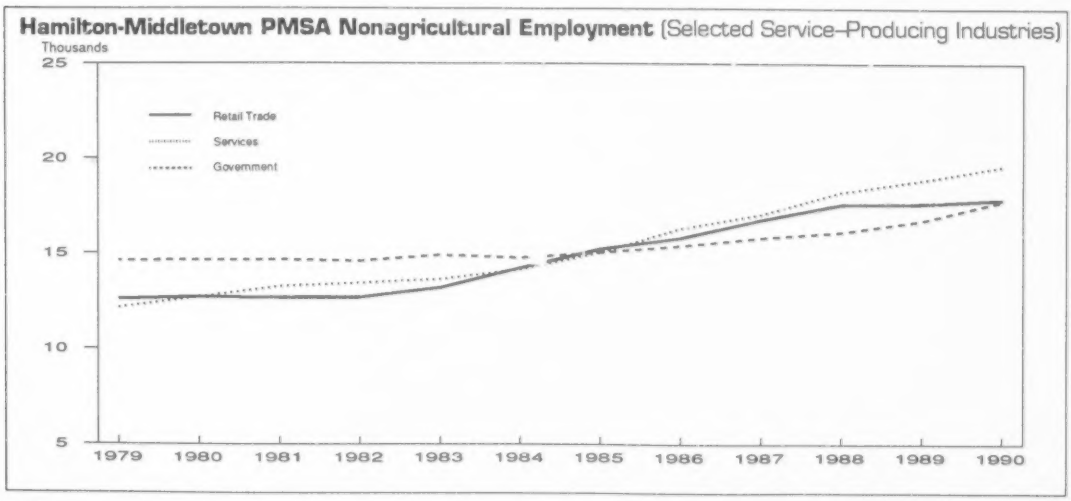
Nonfarm payroll employment in the Hamilton-Middletown area gained 15,600 jobs since the 1983 economic downturn. Noteworthy expansion occurred in services (+5,900) and retail trade (+4,700). Moderate growth was posted in government, construction and mining, and wholesale trade. Manufacturing employment declined 3,600. From 1979 to 1990, employment increased 11,200 or 13.2 percent. During the same period, the manufacturing workforce lost 8,100 jobs.

Hamilton–Middletown PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
4.6	29.4	1979	3.1	3.5	12.6	1979	4.8	12.2	14.6
3.9	27.8	1980	2.8	3.7	12.7	1980	4.8	12.7	14.6
3.7	28.0	1981	2.5	3.7	12.7	1981	4.7	13.2	14.6
3.3	25.4	1982	2.5	3.5	12.6	1982	4.6	13.4	14.6
3.3	24.9	1983	2.5	3.6	13.1	1983	4.6	13.6	14.9
3.9	25.6	1984	2.7	3.9	14.2	1984	4.6	14.1	14.7
3.6	25.3	1985	2.8	4.1	15.2	1985	4.7	15.0	15.0
4.1	25.0	1986	2.8	4.3	15.8	1986	5.1	16.3	15.4
4.5	23.5	1987	2.7	5.4	16.8	1987	5.1	17.1	15.8
5.0	23.2	1988	3.1	5.5	17.6	1988	4.9	18.2	16.1
5.7	22.1	1989	3.4	5.8	17.6	1989	4.8	18.9	16.7
5.9	21.3	1990	3.4	5.9	17.8	1990	4.5	19.5	17.7


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Hamilton-Middletown PMSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Hamilton-Middletown PMSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
15
10
5
0
Primary Metal Industries
Fabricated Metal Products
Paper and Allied Products
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Hamilton-Middletown PMSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
25
20
15
10
5
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Hamilton–Middletown PMSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	96.1	93.6	95.0	95.7	96.5	97.3	94.2	94.1	94.5	97.8	98.1	98.4	97.8
Goods–Producing Industries	27.2	26.8	26.9	26.9	26.9	27.1	27.6	27.5	27.7	27.7	27.3	27.0	26.8
Construction and Mining	5.9	5.2	5.3	5.7	5.7	5.9	6.2	6.2	6.3	6.4	6.1	5.9	5.7
Manufacturing	21.3	21.6	21.5	21.2	21.2	21.2	21.3	21.3	21.5	21.4	21.2	21.1	21.1
Durable Goods[c]	14.9	15.2	15.1	14.8	14.8	14.8	15.0	14.9	15.1	15.0	14.8	14.7	14.7
Primary Metal Industries	6.6	6.9	6.7	6.4	6.4	6.3	6.4	6.4	6.6	6.7	6.7	6.9	7.0
Fabricated Metal Products	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.6	2.5	2.5	2.5	2.5
Industrial Machinery and Equipment	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.0	2.0
Nondurable Goods[d]	6.4	6.4	6.4	6.4	6.4	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Paper and Allied Products	4.6	4.7	4.7	4.6	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Paper Mills	3.4	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
Service–Producing Industries	68.9	66.8	68.1	68.8	69.7	70.2	66.6	66.6	66.8	70.1	70.8	71.3	71.0
Transportation and Public Utilities	3.4	3.3	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4
Wholesale Trade	5.9	5.8	5.8	5.8	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.9	5.9
Wholesale Trade–Durable Goods	4.0	3.9	3.8	3.9	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0	4.0
Retail Trade	17.8	17.0	17.5	17.7	18.0	18.1	17.8	17.8	17.9	18.1	17.8	18.0	18.1
Food Stores	3.4	3.2	3.2	3.2	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.5	3.5
Finance, Insurance, and Real Estate	4.5	4.6	4.5	4.6	4.5	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5
Services	19.5	18.5	18.6	18.9	19.4	19.7	20.2	20.2	20.2	20.1	19.7	19.6	19.5
Health Services	8.6	8.2	8.3	8.4	8.4	8.5	8.6	8.7	8.7	8.7	8.9	8.9	9.0
Government	17.7	17.5	18.3	18.5	18.6	18.7	14.7	14.7	14.8	18.1	19.6	19.9	19.6
State Government (Includes Education)	6.7	7.1	7.7	7.8	7.7	7.5	3.7	3.9	4.0	6.9	7.9	8.3	7.9
Local Government	10.3	9.9	10.0	10.1	10.2	10.2	10.3	10.0	10.1	10.5	11.0	10.9	11.0
Local Government Education	6.9	6.5	6.7	6.7	6.7	6.7	6.7	6.3	6.5	7.0	7.5	7.4	7.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [r]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-9 (1990)

Hamilton–Middletown PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	94.9	93.3	93.4	94.6	95.2	95.8	93.3	92.5	93.0	96.4	96.9	97.5	97.1
Goods–Producing Industries	27.8	27.2	27.2	27.3	27.3	27.7	27.9	28.1	28.3	28.4	28.2	28.1	27.7
Construction and Mining	5.7	4.8	4.8	5.0	5.3	5.5	5.7	6.1	6.2	6.4	6.2	6.1	5.9
Manufacturing	22.1	22.4	22.5	22.3	22.0	22.3	22.3	21.9	22.1	22.0	22.1	22.0	21.8
Durable Goods[c]	15.3	15.4	15.5	15.3	15.1	15.5	15.5	15.2	15.3	15.2	15.4	15.4	15.3
Primary Metal Industries	6.8	6.8	6.7	6.7	6.7	7.0	7.0	6.6	6.7	6.7	6.7	6.8	6.7
Fabricated Metal Products	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5
Industrial Machinery and Equipment	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5
Nondurable Goods[d]	6.8	7.0	7.0	7.0	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.6	6.5
Paper and Allied Products	4.9	5.1	5.1	5.1	5.0	4.9	4.9	4.9	4.9	5.0	4.9	4.8	4.7
Paper Mills	3.7	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.6	3.6	3.5
Service–Producing Industries	67.1	66.1	66.2	67.3	67.9	68.1	65.4	64.4	64.7	68.0	68.6	69.4	69.4
Transportation and Public Utilities	3.4	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.5	3.4	3.4
Wholesale Trade	5.8	5.6	5.6	5.7	5.7	5.8	5.7	5.9	5.9	5.9	5.9	5.9	5.9
Wholesale Trade–Durable Goods	4.0	3.9	3.9	4.0	3.9	4.0	3.9	4.0	4.0	4.0	3.9	4.0	3.9
Retail Trade	17.6	17.0	17.4	17.5	17.7	17.7	17.5	17.5	17.6	17.7	17.6	18.0	18.1
Food Stores	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4
Finance, Insurance, and Real Estate	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.9	4.8	4.7	4.8	4.7	4.7
Services	18.9	17.7	17.9	18.0	18.8	19.0	19.4	19.5	19.5	19.5	19.0	19.0	19.0
Health Services	8.1	7.9	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.1	8.2	8.2	8.3
Government	16.7	17.6	17.2	17.9	17.6	17.5	14.6	13.4	13.5	16.8	17.9	18.3	18.2
State Government (Includes Education)	6.5	7.5	7.0	7.6	7.5	7.1	4.0	3.5	3.8	6.7	7.5	7.7	7.8
Local Government	9.7	9.5	9.7	9.7	9.5	9.8	10.0	9.3	9.1	9.5	9.8	10.1	9.9
Local Government Education	6.2	6.1	6.3	6.4	6.1	6.3	6.3	5.5	5.4	5.9	6.4	6.6	6.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [b]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-9 (1989)

Hamilton–Middletown PMSA

Average Hourly Earnings of Production Workers or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.93	$13.39	$13.35	$13.51	$13.63	$13.80	$14.05	$13.91	$14.03	$14.23	$14.39	$14.47	$14.41
Durable Goods[b]	14.29	13.58	13.61	13.84	13.94	14.13	14.49	14.26	14.41	14.68	14.83	14.92	14.77
Primary Metal Industries	15.67	14.65	14.71	15.16	15.46	15.66	16.16	15.75	15.96	16.10	16.17	16.10	15.95
Fabricated Metal Products	12.48	12.16	12.23	12.48	11.93	12.12	12.38	12.12	12.22	12.87	13.16	13.11	12.85
Industrial Machinery and Equipment	13.14	13.22	13.02	12.94	12.71	12.95	13.13	13.00	13.01	13.35	13.30	13.35	14.04
Nondurable Goods[c]	13.00	12.92	12.68	12.66	12.87	12.97	12.89	13.01	13.05	13.06	13.25	13.31	13.42
Paper and Allied Products	13.23	13.08	12.87	12.96	13.13	13.18	13.10	13.16	13.23	13.34	13.49	13.57	13.66
Paper Mills	13.42	13.32	13.09	13.19	13.37	13.25	13.37	13.36	13.39	13.46	13.65	13.70	13.89
Wholesale Trade	10.61	10.60	10.72	10.59	10.47	10.64	10.62	10.51	10.46	10.69	10.47	10.76	10.74
Retail Trade[d]	6.24	6.05	6.17	6.13	6.13	6.16	6.21	6.25	6.23	6.33	6.34	6.40	6.40

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43214 4-15-91 RS-790-4-9 (1990)

Hamilton–Middletown PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	45.3	44.5	43.8	44.0	44.5	45.8	46.5	45.6	45.4	46.1	46.3	46.1	45.8
Durable Goods[b]	45.7	44.0	43.8	44.4	44.4	46.2	47.4	46.0	45.6	46.4	46.9	46.6	46.5
Primary Metal Industries	47.5	44.3	44.1	44.9	46.6	48.5	50.5	49.0	48.6	48.6	49.6	48.1	48.0
Fabricated Metal Products	41.9	41.0	41.8	43.3	40.1	41.6	42.0	40.1	39.9	43.6	43.9	43.7	42.0
Industrial Machinery and Equipment	47.9	50.6	48.0	47.7	47.1	49.4	49.8	48.0	46.5	46.8	46.6	46.2	47.7
Nondurable Goods[c]	44.6	45.7	43.7	43.1	44.6	44.8	44.3	44.7	44.7	45.3	44.8	44.8	44.1
Paper and Allied Products	45.9	46.2	44.1	44.3	46.3	46.5	45.3	46.0	45.9	47.5	46.4	46.8	46.1
Paper Mills	45.2	46.7	43.9	43.7	46.5	45.7	45.1	45.3	44.7	46.2	44.3	45.0	45.4
Wholesale Trade	41.8	42.7	42.6	42.4	41.7	42.6	41.8	40.9	42.0	42.1	40.8	41.4	40.9
Retail Trade	28.1	27.5	27.5	27.7	27.8	28.3	28.7	28.8	28.5	28.4	27.8	28.0	27.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [l]Depressed due to labor-management disputes during part of pay period. [9]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-9 (1990)

Hamilton–Middletown PMSA

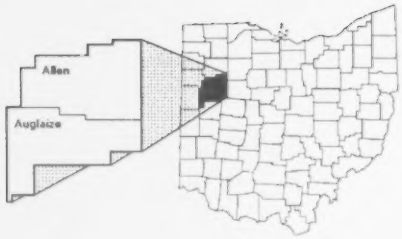
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$631.03	$595.86	$584.73	$594.44	$606.54	$632.04	$653.33	$634.30	$636.96	$656.00	$666.26	$667.07	$659.98
Durable Goods[b]	653.05	597.52	596.12	614.50	618.94	652.81	686.83	655.96	657.10	681.15	695.53	695.27	686.81
Primary Metal Industries	744.33	649.00	648.71	680.68	720.44	759.51	816.08	771.75	775.66	782.46	802.03	774.41	765.60
Fabricated Metal Products	522.91	498.56	511.21	540.38	478.39	504.19	519.96	486.01	487.58	561.13	577.72	572.91	539.70
Industrial Machinery and Equipment	629.41	668.93	624.96	617.24	598.64	639.73	653.87	624.00	604.97	624.78	619.78	616.77	669.71
Nondurable Goods[c]	579.80	590.44	554.12	545.65	574.00	581.06	571.03	581.55	583.34	591.62	593.60	596.29	591.82
Paper and Allied Products	607.26	604.30	567.57	574.13	607.92	612.87	593.43	605.36	607.26	633.65	625.94	635.08	629.73
Paper Mills	606.58	622.04	574.65	576.40	621.71	605.53	602.99	605.21	598.53	621.85	604.70	616.50	630.61
Wholesale Trade	443.50	452.62	456.67	449.02	436.60	453.26	443.92	429.86	439.32	450.05	427.18	445.46	439.27
Retail Trade[d]	175.34	166.38	169.68	169.80	170.41	174.33	178.23	180.00	177.56	179.77	176.25	179.20	177.92

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-9 (1990)

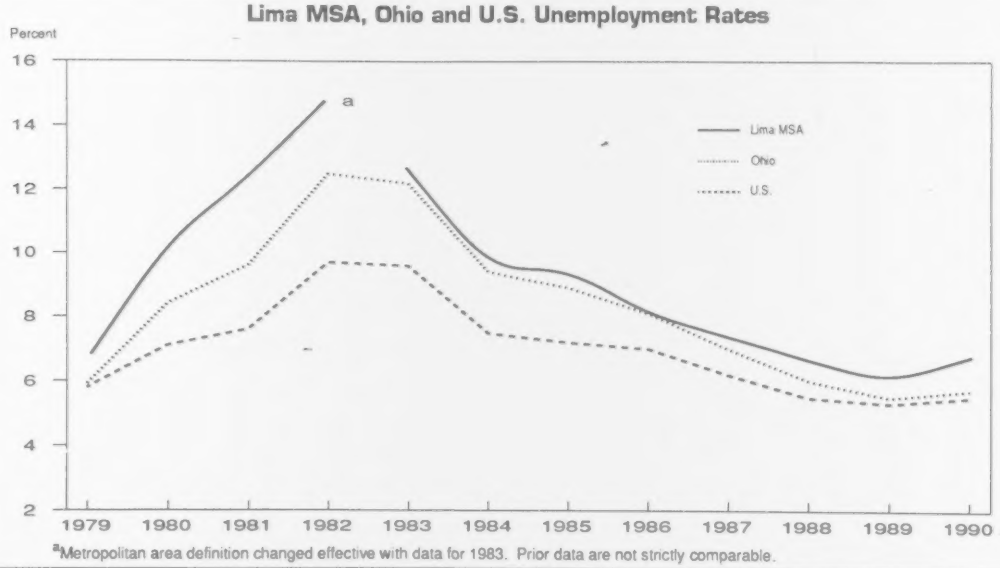
Lima Metropolitan Statistical Area



In the Lima metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, decreased 700 from the 1989 level to 77,700 in 1990. Total employment, at 72,500, dropped 1,100 over the year, while unemployment increased 500. The unemployment rate rose from 6.1 percent in 1989 to 6.8 percent in 1990.

Nonagricultural wage and salary employment increased 100 from a year ago to 72,800 in 1990. Expansion in service-producing industries created 700 jobs, a 1.6 percent growth rate. Improvements in services, especially health services, transportation and public utilities, and government outweighed declines in retail trade. The workforce in the goods-producing sector totaled 25,800, down 600 from last year. Reductions in durable-goods manufacturing, primarily transportation equipment, overshadowed scattered growth among manufacturers of nondurable goods.

Lima MSA, Ohio and U.S. Unemployment Rates



[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

Lima MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

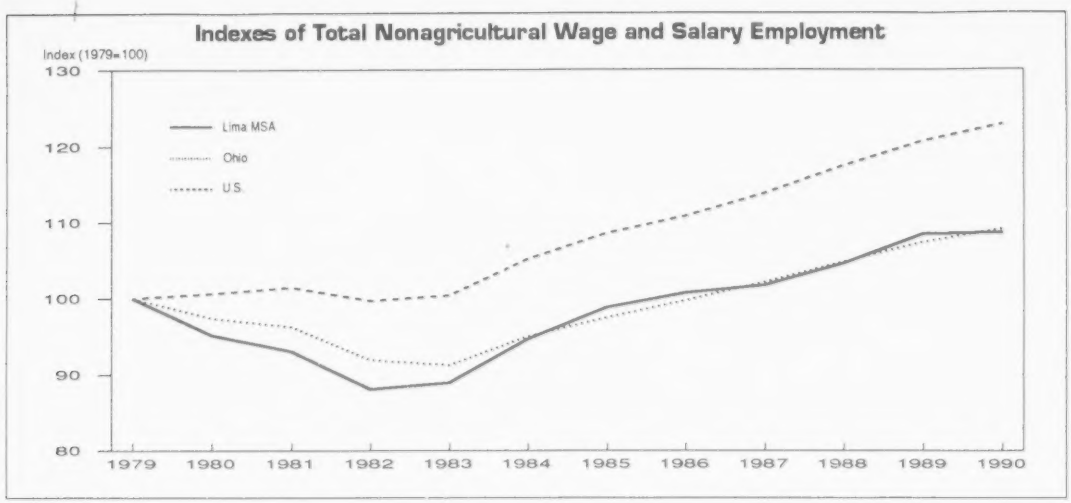
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment		Unemployment					Goods-Producing Industries	Service-Producing Industries
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
104.5	97.4	7.2	6.8	5.9	5.8	1979	67.0	28.6	38.3
103.4	92.7	10.6	10.3	8.4	7.1	1980	63.7	25.7	38.0
104.6	91.7	12.9	12.3	9.6	7.6	1981	62.3	24.2	38.1
102.7	87.5	15.2	14.8	12.5	9.7	1982	59.0	22.2	36.7
71.5[c]	62.4[c]	9.1[c]	12.7[c]	12.2	9.6	1983	59.5	22.2	37.3
72.6	65.7	6.9	9.5	9.4	7.5	1984	63.4	24.3	39.1
74.9	67.8	7.1	9.5	8.9	7.2	1985	66.1	25.0	41.1
75.3	69.2	6.1	8.1	8.1	7.0	1986	67.4	25.6	41.8
75.2	69.6	5.6	7.4	7.0	6.2	1987	68.1	25.3	42.8
75.7	70.7	5.0	6.6	6.0	5.5	1988	70.0	25.5	44.5
78.4	73.6	4.8	6.1	5.5	5.3	1989	72.7	26.4	46.2
77.7	72.5	5.3	6.8	5.7	5.5	1990	72.8	25.8	47.0

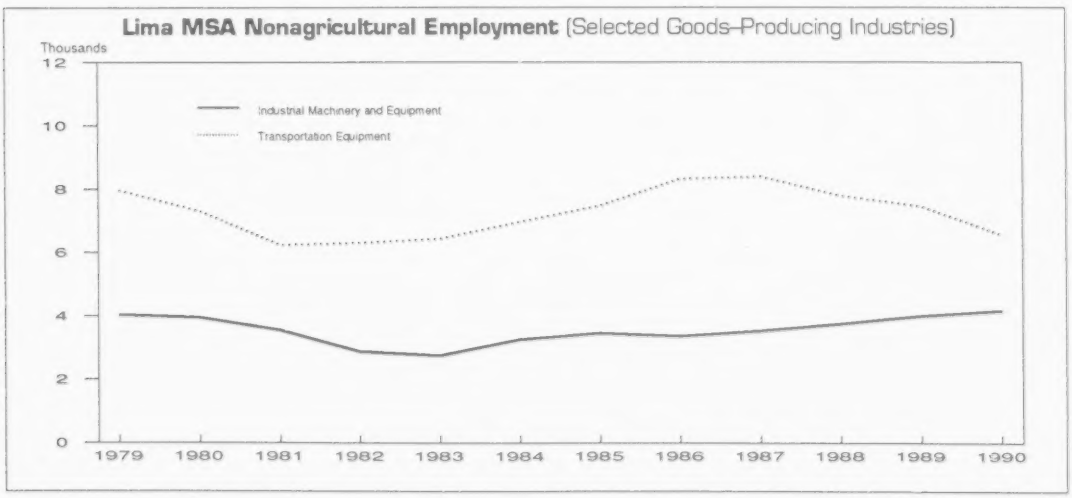
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

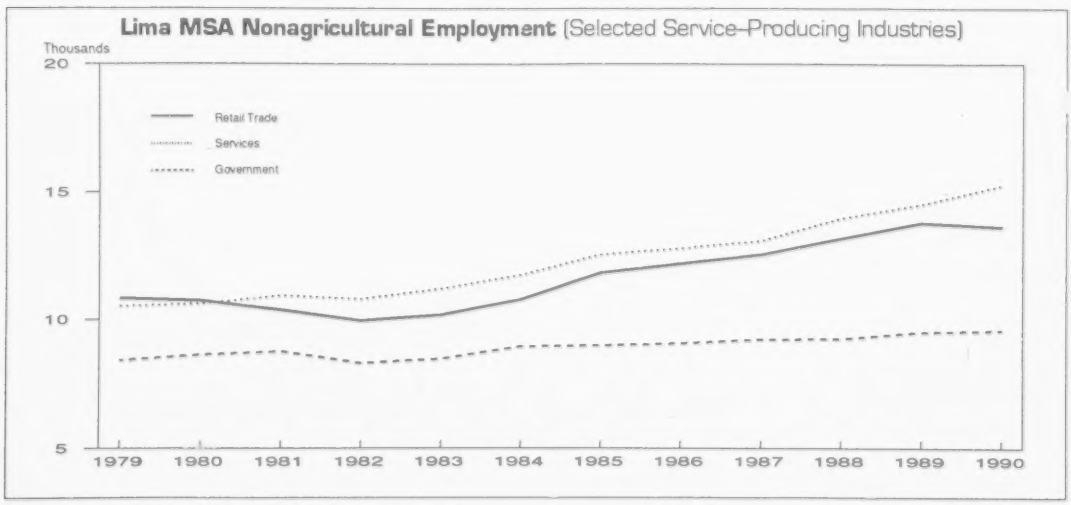
Nonfarm payroll employment in the Lima area gained 13,300 jobs since the 1983 economic downturn. Noteworthy growth occurred in services (+4,100), retail trade (+3,400), and manufacturing (+2,700). From 1979 to 1990, employment increased 5,800 or 8.7 percent. During the same period, the manufacturing workforce lost 2,700 jobs.

Lima MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
3.4	25.2	1979	3.0	3.3	10.8	1979	2.3	10.5	8.4
2.9	22.8	1980	2.8	3.0	10.7	1980	2.2	10.6	8.6
2.7	21.6	1981	2.8	3.0	10.4	1981	2.2	10.9	8.7
2.6	19.6	1982	2.7	2.9	9.9	1982	2.1	10.8	8.3
2.4	19.8	1983	2.6	2.9	10.2	1983	2.1	11.2	8.5
2.8	21.5	1984	2.7	2.9	10.8	1984	2.0	11.8	9.0
2.8	22.2	1985	2.9	2.9	11.8	1985	2.0	12.5	9.0
2.7	22.9	1986	2.8	2.9	12.2	1986	2.1	12.8	9.1
2.7	22.7	1987	2.9	3.0	12.5	1987	2.0	13.1	9.2
3.2	22.3	1988	2.9	3.2	13.2	1988	2.1	14.0	9.2
3.4	23.0	1989	3.0	3.4	13.8	1989	2.1	14.5	9.5
3.3	22.5	1990	3.1	3.4	13.6	1990	2.1	15.3	9.6


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Lima MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Lima MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
12
10
8
6
4
2
0
Industrial Machinery and Equipment
Transportation Equipment
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Lima MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
20
15
10
5
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Lima MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	72.8	70.8	71.0	71.3	72.4	73.5	74.0	73.7	73.4	73.8	73.4	73.6	72.7
Goods–Producing Industries	25.8	25.1	25.4	25.4	25.8	26.2	26.5	26.6	26.1	26.3	25.9	25.8	24.7
Construction and Mining	3.3	2.9	3.0	3.2	3.2	3.3	3.4	3.5	3.6	3.5	3.4	3.2	3.0
Manufacturing	22.5	22.2	22.5	22.2	22.6	22.8	23.1	23.0	22.5	22.7	22.5	22.6	21.7
Durable Goods[c]	16.0	15.8	16.2	15.9	16.2	16.4	16.5	16.4	15.9	15.9	15.7	16.0	15.0
Fabricated Metal Products	2.5	2.4	2.4	2.4	2.5	2.5	2.6	2.5	2.5	2.6	2.6	2.7	2.6
Industrial Machinery and Equipment	4.2	4.2	4.2	4.2	4.2	4.3	4.4	4.4	4.2	4.0	4.0	4.0	3.9
Transportation Equipment	6.6	6.4	6.9	6.5	6.8	6.8	6.7	6.7	6.4	6.6	6.4	6.7	5.9
Motor Vehicles and Equipment	3.4	2.9	3.5	3.3	3.6	3.6	3.6	3.5	3.3	3.4	3.3	3.6	2.7
Nondurable Goods[d]	6.5	6.4	6.2	6.2	6.4	6.5	6.6	6.7	6.6	6.8	6.8	6.7	6.6
Food and Kindred Products	1.8	1.7	1.7	1.6	1.6	1.7	1.7	1.9	1.9	1.9	1.9	1.8	1.8
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1
Service–Producing Industries	47.0	45.7	45.6	46.0	46.6	47.3	47.5	47.1	47.2	47.5	47.4	47.7	48.0
Transportation and Public Utilities	3.1	2.9	3.0	3.0	3.0	3.0	3.1	3.2	3.1	3.1	3.1	3.1	3.1
Wholesale Trade	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.4
Retail Trade	13.6	13.5	13.2	13.3	13.6	13.7	13.8	13.8	13.8	13.7	13.4	13.7	14.0
General Merchandise Stores	2.1	2.3	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.4
Finance, Insurance, and Real Estate	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Services	15.3	14.5	14.6	14.8	15.0	15.2	15.3	15.3	15.5	15.8	15.8	15.8	15.6
Health Services	6.5	6.3	6.3	6.3	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6
Hospitals	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Government	9.6	9.3	9.5	9.5	9.6	9.9	9.8	9.3	9.3	9.3	9.6	9.7	9.8
Local Government	7.1	7.0	7.1	7.1	7.1	7.1	7.3	6.9	6.9	7.0	7.3	7.3	7.4
Local Government Education	4.0	4.0	4.1	4.1	4.1	4.1	4.1	3.6	3.6	4.0	4.2	4.2	4.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-10 (1990)

Lima MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	72.7	70.1	70.2	71.0	72.2	73.4	74.2	73.1	73.5	74.3	73.1	73.4	73.3
Goods-Producing Industries	26.4	25.2	25.2	25.4	26.0	26.6	27.3	27.0	27.3	27.6	26.5	26.6	26.2
Construction and Mining	3.4	2.8	2.7	2.8	3.0	3.2	3.4	3.6	3.9	4.3	4.1	3.6	3.2
Manufacturing	23.0	22.5	22.4	22.6	23.0	23.4	23.8	23.4	23.4	23.3	22.4	23.1	23.0
Durable Goods[c]	16.8	16.7	16.7	16.8	17.0	17.3	17.5	17.1	17.0	16.7	16.0	16.7	16.6
Fabricated Metal Products	2.5	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Industrial Machinery and Equipment	4.0	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.1	4.0	4.1	4.1	4.1
Transportation Equipment	7.5	7.6	7.6	7.6	7.7	7.9	8.0	7.6	7.5	7.3	6.5	7.1	7.1
Motor Vehicles and Equipment	3.7	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.7	3.6	2.9	3.5	3.5
Nondurable Goods[d]	6.2	5.8	5.8	5.8	6.0	6.1	6.3	6.4	6.4	6.5	6.4	6.4	6.4
Food and Kindred Products	1.8	1.7	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.8	1.8	1.7
Rubber and Miscellaneous Plastics Products	2.0	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.1	2.1	2.0	2.0	2.0
Service-Producing Industries	46.2	44.8	45.0	45.6	46.2	46.8	46.9	46.1	46.2	46.8	46.6	46.7	47.1
Transportation and Public Utilities	3.0	2.8	2.8	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.0
Wholesale Trade	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	3.3	3.4	3.4	3.4	3.5
Retail Trade	13.8	13.3	13.1	13.5	13.9	14.0	14.1	13.9	14.0	14.0	13.7	13.8	14.2
General Merchandise Stores	2.0	1.9	1.9	2.0	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.3	2.4
Finance, Insurance, and Real Estate	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1
Services	14.5	14.1	14.2	14.4	14.5	14.6	14.5	14.2	14.4	14.9	14.9	14.9	14.8
Health Services	6.2	6.1	6.2	6.2	6.3	6.3	6.1	6.0	6.1	6.0	6.2	6.2	6.2
Hospitals	3.0	3.0	3.1	3.1	3.1	3.1	2.9	2.9	2.9	2.9	3.0	3.0	3.1
Government	9.5	9.2	9.4	9.4	9.5	9.7	9.8	9.5	9.3	9.4	9.5	9.6	9.5
Local Government	7.1	6.8	7.1	7.0	7.0	7.3	7.4	7.1	7.0	7.0	7.1	7.2	7.1
Local Government Education	4.0	4.0	4.2	4.1	4.1	4.1	4.0	3.7	3.6	4.0	4.1	4.2	4.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [t]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-10 (1989)

Lima MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.22	$12.91	$13.19	$13.15	$13.05	$13.08	$13.27	$13.23	$13.18	$13.38	$13.27	$13.47	$13.46
Durable Goods[b]	13.15	12.76	13.04	13.07	12.99	13.07	13.23	13.18	13.16	13.33	13.24	13.40	13.34
Fabricated Metal Products	8.91	8.86	8.88	8.80	8.58	9.01	8.92	8.80	9.00	9.10	9.08	8.96	8.90
Industrial Machinery and Equipment	11.46	11.39	11.37	11.32	11.40	11.31	11.25	11.36	11.37	11.48	11.57	11.60	12.12
Transportation Equipment	16.34	15.87	16.12	16.31	16.08	16.16	16.48	16.43	16.40	16.59	16.44	16.60	16.65
Motor Vehicles and Equipment	17.69	17.08	17.30	17.92	17.51	17.49	17.97	17.65	17.66	17.80	17.76	17.95	18.24
Nondurable Goods[c]	13.43	13.34	13.61	13.39	13.23	13.10	13.40	13.35	13.24	13.51	13.40	13.80	13.76
Food and Kindred Products	9.36	9.40	9.61	9.57	9.32	9.37	9.18	9.28	9.14	9.45	9.22	9.43	9.40
Rubber and Miscellaneous Plastics Products	13.62	12.90	13.39	13.28	12.83	13.04	13.72	13.69	13.76	14.30	14.11	14.21	14.09
Wholesale Trade	9.66	9.58	9.66	9.58	9.62	9.60	9.61	9.66	9.74	9.70	9.66	9.79	9.66
Retail Trade[d]	6.26	6.21	6.24	6.25	6.34	6.33	6.35	6.25	6.22	6.23	6.18	6.25	6.29
General Merchandise Stores	6.28	6.23	6.25	6.24	6.20	6.18	6.25	6.19	6.31	6.35	6.31	6.30	6.49

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-10 (1990)

Lima MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.2	42.1	42.4	42.1	41.3	42.0	42.1	41.7	41.9	42.8	42.1	42.8	42.8
Durable Goods[b]	42.1	42.1	42.1	41.8	41.3	42.0	41.9	41.4	41.6	42.5	42.4	42.7	43.1
Fabricated Metal Products	41.3	41.3	41.6	41.7	40.4	42.9	41.5	40.1	41.5	42.8	41.6	40.0	40.5
Industrial Machinery and Equipment	40.4	41.0	40.6	39.7	39.9	39.7	39.1	39.6	38.8	40.6	41.7	42.1	42.8
Transportation Equipment	43.2	42.1	43.1	43.0	42.4	42.8	43.2	43.0	43.7	44.1	43.5	43.7	43.8
Motor Vehicles and Equipment	45.5	43.2	45.1	45.9	45.0	44.7	47.2	46.5	46.6	45.8	45.6	45.7	44.3
Nondurable Goods[c]	42.4	42.2	43.2	43.0	41.2	41.9	42.5	42.6	42.7	43.6	41.3	43.1	42.0
Food and Kindred Products	41.8	40.3	41.5	42.9	40.9	42.2	40.4	41.3	41.1	43.8	41.0	43.1	43.6
Rubber and Miscellaneous Plastics Products	45.0	44.4	46.2	45.7	41.6	43.9	46.2	45.8	47.1	46.5	44.3	45.4	43.0
Wholesale Trade	38.2	38.4	38.5	38.4	38.3	38.0	37.9	37.9	37.8	37.9	38.1	38.4	38.7
Retail Trade	30.0	30.4	29.9	29.9	29.7	29.8	30.1	30.7	30.0	30.1	29.4	29.2	30.5
General Merchandise Stores	27.8	27.2	26.3	27.0	26.9	26.8	27.5	27.9	28.0	28.4	28.4	27.4	31.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-10 (1990)

Lima MSA

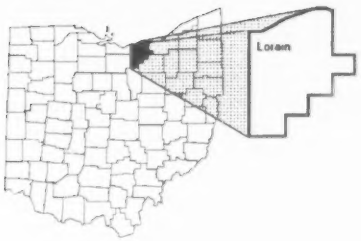
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$557.88	$543.51	$559.26	$553.62	$538.97	$549.36	$558.67	$551.69	$552.24	$572.66	$558.67	$576.52	$576.09
Durable Goods[b]	553.62	537.20	548.98	546.33	536.49	548.94	554.34	545.65	547.46	566.53	561.38	572.18	574.95
Fabricated Metal Products	367.98	365.92	369.41	366.96	346.63	386.53	370.18	352.88	373.50	389.48	377.73	358.40	360.45
Industrial Machinery and Equipment	462.98	466.99	461.62	449.40	454.86	449.01	439.88	449.86	441.16	466.09	482.47	488.36	518.74
Transportation Equipment	705.89	668.13	694.77	701.33	681.79	691.65	711.94	706.49	716.68	731.62	715.14	725.42	729.27
Motor Vehicles and Equipment	804.90	737.86	780.23	822.53	787.95	781.80	848.18	820.73	822.96	815.24	809.86	820.32	808.03
Nondurable Goods[c]	569.43	562.95	587.95	575.77	545.08	548.89	569.50	568.71	565.35	589.04	553.42	594.78	577.92
Food and Kindred Products	391.25	378.82	398.82	410.55	381.19	395.41	370.87	383.26	375.65	413.91	378.02	406.43	409.84
Rubber and Miscellaneous Plastics Products	612.90	572.76	618.62	606.90	533.73	572.46	633.86	627.00	648.10	664.95	625.07	645.13	605.87
Wholesale Trade	369.01	367.87	371.91	367.87	368.45	364.80	364.22	366.11	368.17	367.63	368.05	375.94	373.84
Retail Trade[d]	187.80	188.78	186.58	186.88	188.30	188.63	191.14	191.88	186.60	187.52	181.69	182.50	191.85
General Merchandise Stores	174.58	169.46	164.38	168.48	166.78	165.62	171.88	172.70	176.68	180.34	179.20	172.62	205.73

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

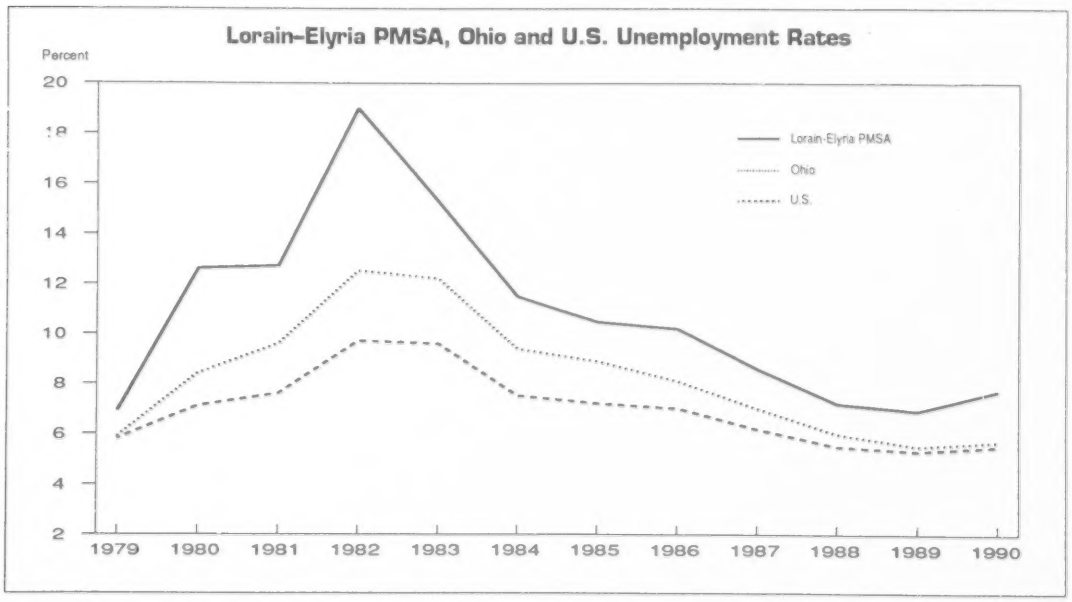
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-10 (1990)

Lorain-Elyria Primary Metropolitan Statistical Area



The estimated annual average civilian labor force in the Lorain-Elyria metropolitan area, distributed by place of residence, was unchanged from 1989 at 119,600 in 1990. Total employment fell 900 during the period to 110,400, while unemployment rose 900. The unemployment rate increased from 6.9 percent in 1989 to 7.7 percent in 1990.

Nonagricultural wage and salary employment advanced 500 above the 1989 level to 92,800 in 1990. Expansion in service-producing industries created 700 jobs. Leading growth areas were government and services. Employment in finance, insurance, and real estate declined slightly. The workforce in goods-producing industries totaled 32,300, down 300 over the year. Production cutbacks in durable-goods manufacturing, primarily transportation equipment, more than offset gains in construction and mining.



Lorain–Elyria PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			PMSA	Ohio	U.S.				
128.1	119.3	8.8	6.9	5.9	5.8	1979	98.4	44.8	53.7
127.5	111.4	16.1	12.6	8.4	7.1	1980	90.9	37.9	52.9
125.6	109.7	15.9	12.7	9.6	7.6	1981	89.5	37.8	51.8
126.0	102.1	24.0	19.0	12.5	9.7	1982	81.6	31.0	50.6
119.8	101.5	18.4	15.3	12.2	9.6	1983	81.7	31.0	50.7
116.1	102.7	13.4	11.5	9.4	7.5	1984	83.5	31.4	52.1
115.9	103.7	12.2	10.5	8.9	7.2	1985	84.5	31.0	53.5
118.3	106.2	12.1	10.2	8.1	7.0	1986	85.5	30.0	55.5
117.7	107.5	10.2	8.6	7.0	6.2	1987	88.4	31.2	57.2
119.0	110.4	8.6	7.2	6.0	5.5	1988	91.5	32.9	58.7
119.6	111.3	8.3	6.9	5.5	5.3	1989	92.3	32.6	59.8
119.6	110.4	9.2	7.7	5.7	5.5	1990	92.8	32.3	60.5

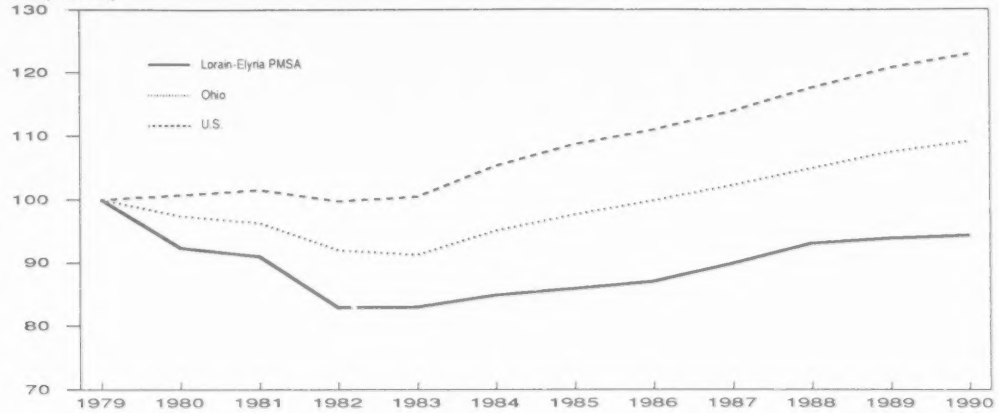
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

Nonfarm payroll employment in the Lorain-Elyria area rose 11,100 since the 1983 economic downturn. Noteworthy gains were posted in services (+3,800), retail trade (+3,000), construction and mining (+2,400), and government (+2,100). The manufacturing workforce declined 1,100. From 1979 to 1990, employment dropped 5,600 or 5.7 percent. The number of employees in manufacturing fell 12,900.

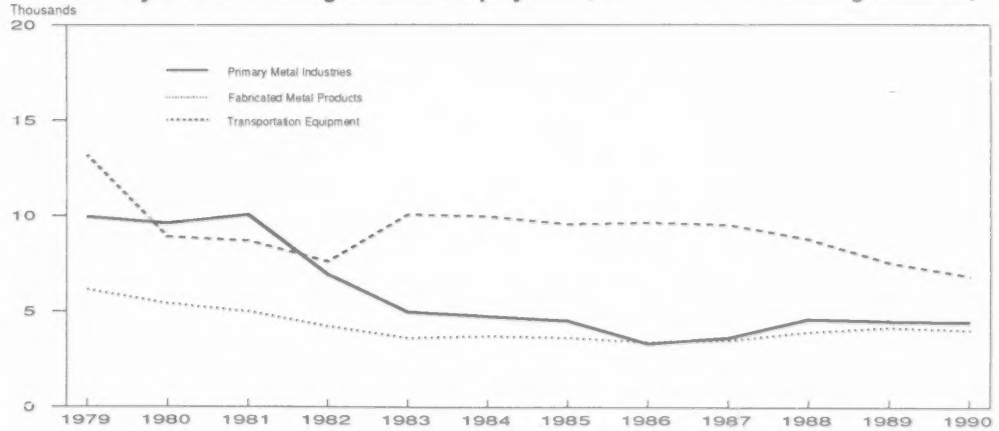
Lorain–Elyria PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
4.3	40.4	1979	3.5	1.9	15.7	1979	3.1	16.4	13.1
3.5	34.5	1980	3.7	1.7	14.4	1980	3.0	16.7	13.3
3.3	34.5	1981	3.4	1.8	13.7	1981	2.9	17.0	13.0
2.4	28.6	1982	3.4	1.9	13.4	1982	2.8	17.1	12.2
2.4	28.6	1983	3.4	1.8	13.6	1983	2.7	17.3	11.9
2.5	28.8	1984	3.5	2.0	14.1	1984	2.7	17.8	12.0
2.7	28.2	1985	3.6	2.1	14.6	1985	2.8	18.2	12.1
3.1	27.0	1986	3.4	2.3	15.6	1986	2.9	18.7	12.5
3.7	27.5	1987	3.4	2.7	16.0	1987	3.0	19.5	12.6
4.0	28.8	1988	3.2	2.5	16.3	1988	3.1	20.2	13.3
4.2	28.4	1989	3.2	2.5	16.6	1989	3.1	20.8	13.5
4.8	27.5	1990	3.2	2.5	16.6	1990	3.0	21.1	14.0

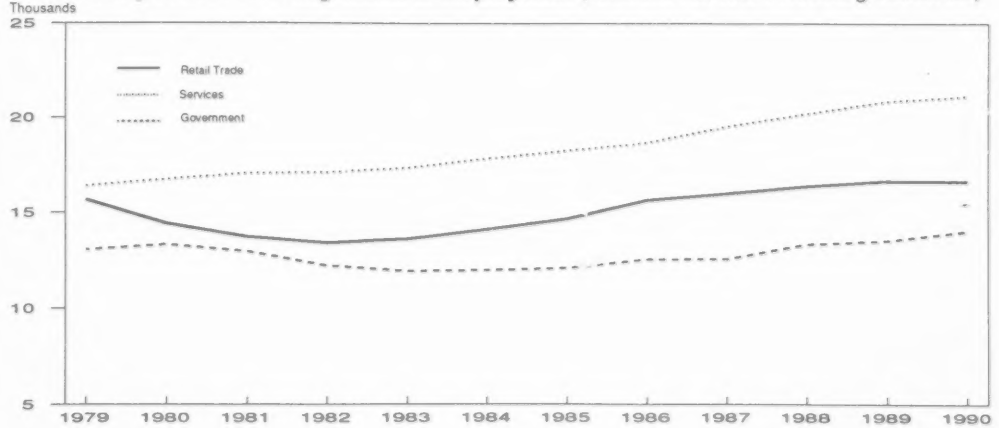
Indexes of Total Nonagricultural Wage and Salary Employment



Lorain-Elyria PMSA Nonagricultural Employment (Selected Goods-Producing Industries)



Lorain-Elyria PMSA Nonagricultural Employment (Selected Service-Producing Industries)



Lorain–Elyria PMSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	92.8	85.6	91.5	93.0	94.3	95.8	96.1	94.1	94.3	92.0	94.7	90.5	91.8
Goods–Producing Industries	32.3	26.8	32.5	33.3	33.5	33.6	33.8	34.0	34.3	31.0	33.9	29.9	30.8
Construction and Mining	4.8	4.3	4.5	4.7	4.9	4.9	4.9	5.1	5.2	5.0	4.9	4.8	4.4
Manufacturing	27.5	22.6	28.1	28.5	28.6	28.7	28.9	28.9	29.2	26.1	29.0	25.1	26.4
Durable Goods[c]	22.9	18.1	23.6	24.0	24.0	24.1	24.3	24.3	24.5	21.4	24.2	20.2	21.6
Primary Metal Industries	4.4	4.3	4.2	4.5	4.5	4.5	4.5	4.5	4.4	4.5	4.5	4.5	4.5
Fabricated Metal Products	4.0	4.1	4.1	4.0	4.0	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9
Transportation Equipment	6.8	2.3	8.0	8.0	8.0	8.0	8.2	8.2	8.5	5.3	8.1	4.0	5.6
Nondurable Goods[d]	4.6	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.7	4.8	4.9	4.8
Service–Producing Industries	60.5	58.8	59.0	59.7	60.8	62.2	62.3	60.1	60.0	60.9	60.8	60.6	61.0
Transportation and Public Utilities	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.2	3.3	3.3	3.3	3.2	3.3
Wholesale Trade	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.6
Retail Trade	16.6	16.2	15.9	16.0	16.3	16.8	16.9	16.8	16.9	16.9	16.7	16.7	17.0
Finance, Insurance, and Real Estate	3.0	3.1	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0
Services	21.1	20.4	20.6	21.0	21.5	21.7	21.7	21.3	21.2	21.4	21.1	20.8	20.8
Health Services	8.2	8.2	8.1	8.1	8.2	8.3	8.3	8.3	8.3	8.4	8.2	8.2	8.3
Hospitals	3.9	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	3.7	3.7	3.8
Government	14.0	13.6	13.8	14.1	14.2	14.9	14.7	13.2	12.9	13.7	14.1	14.3	14.3
Local Government	11.7	11.6	11.8	11.9	11.8	12.0	12.2	10.7	10.5	11.4	11.9	12.1	12.1
Local Government Education	7.5	7.5	7.8	7.8	7.7	7.8	7.6	6.1	6.1	7.2	7.9	8.0	8.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. 'Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-11 (1990)

Lorain–Elyria PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	92.3	90.6	90.8	91.8	93.1	94.1	94.9	93.1	93.4	90.9	91.5	92.7	91.3
Goods–Producing Industries	32.6	32.2	32.0	32.5	33.3	33.3	33.6	34.1	34.1	30.9	31.3	32.6	30.7
Construction and Mining	4.2	3.2	3.2	3.3	3.7	4.0	4.3	4.7	4.8	4.7	4.9	4.8	4.4
Manufacturing	28.4	29.0	28.8	29.2	29.6	29.3	29.2	29.3	29.3	26.2	26.4	27.7	26.3
Durable Goods[c]	23.8	24.5	24.3	24.6	25.0	24.6	24.6	24.8	24.8	21.6	21.7	23.1	21.7
Primary Metal Industries	4.5	4.5	4.5	4.5	4.7	4.3	4.3	4.5	4.5	4.6	4.6	4.5	4.3
Fabricated Metal Products	4.2	4.1	4.1	4.2	4.2	4.2	4.3	4.1	4.2	4.1	4.2	4.2	4.2
Transportation Equipment	7.6	8.6	8.3	8.5	8.6	8.5	8.4	8.5	8.5	5.3	5.4	6.8	5.6
Nondurable Goods[d]	4.6	4.5	4.6	4.6	4.6	4.7	4.6	4.6	4.5	4.6	4.6	4.6	4.6
Service–Producing Industries	59.8	58.4	58.8	59.3	59.7	60.7	61.3	59.1	59.3	60.0	60.2	60.1	60.6
Transportation and Public Utilities	3.2	3.1	3.1	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.3	3.3	3.3
Wholesale Trade	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Retail Trade	16.6	16.1	15.9	16.2	16.5	16.7	17.0	16.8	17.0	17.0	16.6	16.7	17.1
Finance, Insurance, and Real Estate	3.1	3.1	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.1	3.1
Services	20.8	20.0	20.4	20.5	21.0	21.3	21.0	20.9	20.8	21.3	21.2	21.0	20.8
Health Services	8.4	8.3	8.3	8.3	8.4	8.5	8.4	8.6	8.6	8.6	8.3	8.2	8.3
Hospitals	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	3.9	3.8	3.8
Government	13.5	13.6	13.8	13.9	13.6	14.0	14.4	12.6	12.5	12.9	13.5	13.5	13.7
Local Government	11.6	11.8	12.0	12.0	11.7	12.1	12.4	10.6	10.5	11.0	11.5	11.6	11.8
Local Government Education	7.3	7.6	7.7	7.8	7.7	7.8	7.6	5.8	5.8	6.8	7.5	7.6	7.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [t]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-11 (1989)

Lorain–Elyria PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.29	$11.97	$13.28	$13.41	$13.57	$13.69	$13.51	$13.42	$13.51	$13.10	$13.46	$12.78	$13.32
Durable Goods[b]	13.86	12.42	13.78	13.95	14.14	14.28	14.09	13.97	14.07	13.71	14.03	13.37	13.88
Primary Metal Industries	14.40	13.97	14.12	14.24	14.38	14.31	14.22	14.24	14.35	14.87	14.60	14.54	14.85
Fabricated Metal Products	9.96	9.98	9.97	9.89	9.75	10.06	9.92	9.85	9.87	9.99	10.06	10.06	10.13
Transportation Equipment	17.02	17.50	16.78	16.98	17.27	17.55	17.26	16.85	16.87	16.79	16.64	16.87	17.08
Nondurable Goods[c]	10.04	10.01	10.12	10.07	10.00	10.01	9.98	10.04	10.02	9.96	10.09	10.00	10.14
Wholesale Trade	9.57	9.46	9.59	9.51	9.39	9.51	9.46	9.57	9.65	9.58	9.64	9.78	9.72
Retail Trade[d]	6.25	6.18	6.23	6.23	6.24	6.24	6.20	6.19	6.24	6.20	6.32	6.30	6.41

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-11 (1990)

Lorain–Elyria PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.9	42.6	42.5	43.0	42.8	44.0	42.8	42.2	42.9	43.1	42.7	43.2	43.0
Durable Goods[b]	43.5	43.3	42.8	43.5	43.5	44.7	43.4	42.7	43.5	43.9	43.3	44.1	43.9
Primary Metal Industries	45.3	43.8	44.0	44.6	45.5	43.5	44.8	44.2	44.6	46.7	46.6	47.5	48.2
Fabricated Metal Products	43.1	43.9	42.7	43.5	40.1	45.4	44.1	42.2	42.8	43.0	43.8	42.4	43.6
Transportation Equipment	43.7	45.9	43.5	44.3	45.8	47.3	44.3	42.8	43.5	42.4	41.7	41.4	40.9
Nondurable Goods[c]	39.5	39.7	41.1	40.0	39.0	39.9	39.5	39.2	39.4	39.5	39.5	39.5	38.3
Wholesale Trade	38.3	38.0	38.3	38.4	38.4	38.5	38.2	38.3	37.9	38.2	38.6	38.3	38.3
Retail Trade	26.2	25.2	25.1	25.5	25.9	26.1	26.7	27.1	27.2	26.4	26.1	25.9	26.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Depressed due to labor-management disputes during part of pay period. [e]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-11 (1990)

Lorain-Elyria PMSA

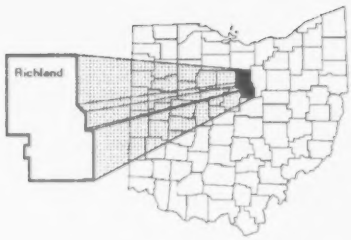
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$570.14	$509.92	$564.40	$576.63	$580.80	$602.36	$578.23	$566.32	$579.58	$564.61	$574.74	$552.10	$572.76
Durable Goods[b]	602.91	537.79	589.78	606.83	615.09	638.32	611.51	596.52	612.05	601.87	607.50	589.62	609.33
Primary Metal Industries	652.32	611.89	621.28	635.10	654.29	622.49	637.06	629.41	640.01	694.43	680.36	690.65	715.77
Fabricated Metal Products	429.28	438.12	425.72	430.22	390.98	456.72	437.47	415.67	422.44	429.57	440.63	426.54	441.67
Transportation Equipment	743.77	803.25	729.93	752.21	790.97	830.12	764.62	721.18	733.85	711.90	693.89	698.42	698.57
Nondurable Goods[c]	396.58	397.40	415.93	402.80	390.00	399.40	394.21	393.57	394.79	393.42	398.56	395.00	388.36
Wholesale Trade	366.53	359.48	367.30	365.18	360.58	366.14	361.37	366.53	365.74	365.96	372.10	374.57	372.28
Retail Trade[d]	163.75	155.74	156.37	158.87	161.62	162.86	165.54	167.75	169.73	163.68	164.95	163.17	169.87

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

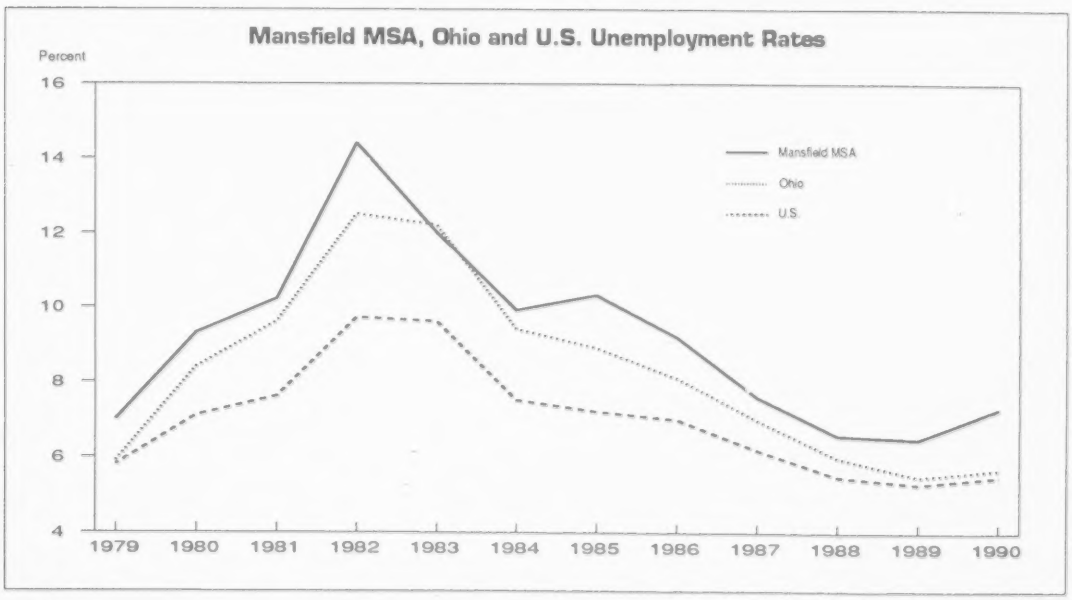
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-11 (1990)

Mansfield Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Mansfield metropolitan area dropped 1,000 from 1989 to 65,000 in 1990. Total employment, at 60,200, lost 1,500 jobs, while the number of unemployed increased 400. The unemployment rate rose from 6.5 percent in 1989 to 7.3 percent in 1990.

Nonagricultural wage and salary employment declined 800 below the 1989 level to 59,600 in 1990. Production cutbacks in durable-goods manufacturing, particularly fabricated metal products and electronic and other electric equipment, lowered employment in goods-producing industries 800 over the year to 20,400. Employment in construction and mining was little changed during the period. The workforce in service-producing industries remained at the 1989 level. Nominal gains in services, government, and transportation and public utilities counterbalanced reductions in retail trade and finance, insurance, and real estate.



Mansfield MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

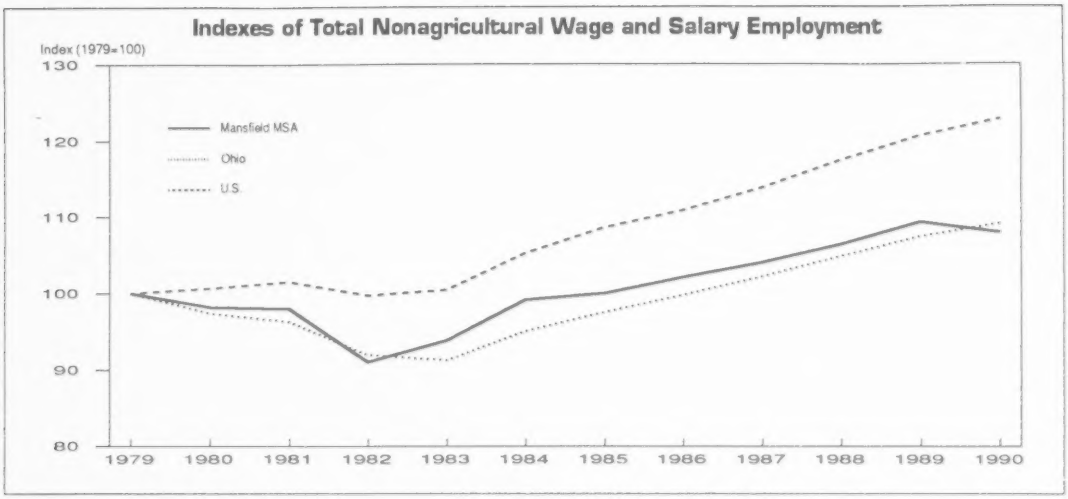
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
60.5	56.3	4.2	7.0	5.9	5.8	1979	55.2	23.8	31.5
62.4	56.7	5.8	9.3	8.4	7.1	1980	54.2	22.4	31.8
63.0	56.5	6.5	10.2	9.6	7.6	1981	54.1	22.6	31.6
62.4	53.5	9.0	14.4	12.5	9.7	1982	50.3	19.1	31.2
62.7	55.2	7.5	12.0	12.2	9.6	1983	51.8	20.3	31.5
63.7	57.4	6.3	9.9	9.4	7.5	1984	54.8	21.9	32.9
63.9	57.3	6.6	10.3	8.9	7.2	1985	55.2	21.5	33.7
64.5	58.6	6.0	9.2	8.1	7.0	1986	56.4	21.2	35.1
64.0	59.1	4.8	7.6	7.0	6.2	1987	57.4	21.1	36.4
64.4	60.2	4.2	6.6	6.0	5.5	1988	58.7	21.3	37.5
66.0	61.7	4.3	6.5	5.5	5.3	1989	60.4	21.2	39.2
65.0	60.2	4.7	7.3	5.7	5.5	1990	59.6	20.4	39.2

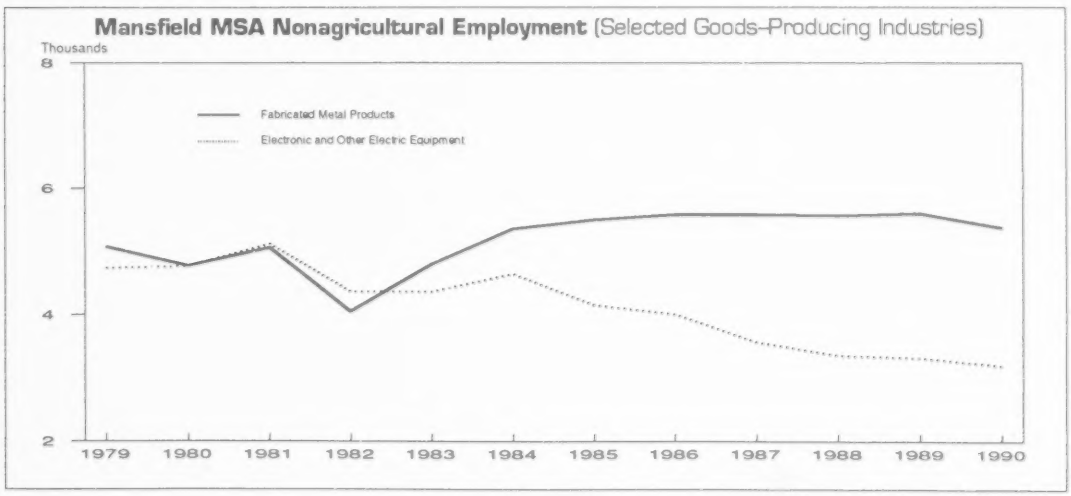
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

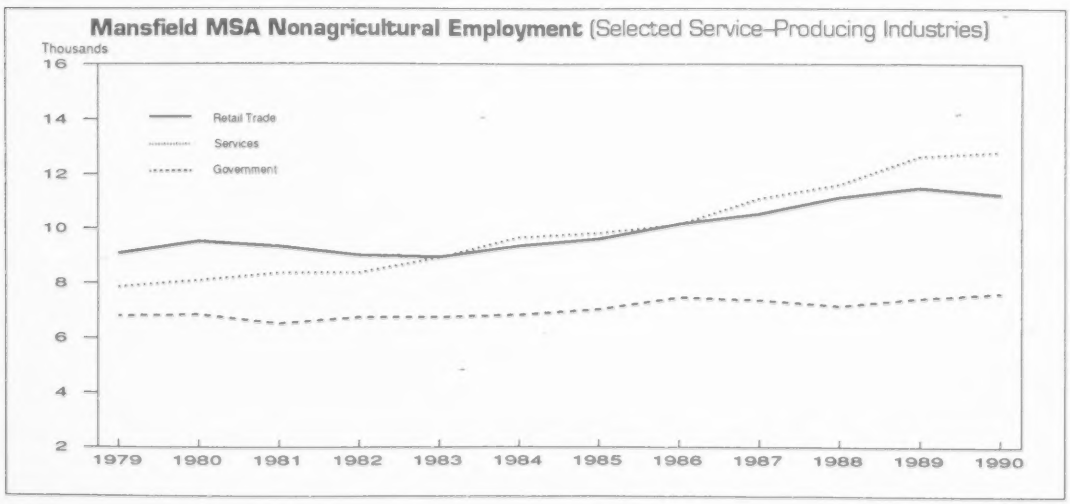
Nonfarm payroll employment in the Mansfield area increased 7,800 since the 1983 economic downturn. Moderate expansion was recorded in services (+3,900) and retail trade (+2,300). Modest gains occurred in government, construction and mining, and wholesale trade. From 1979 to 1990, employment rose 4,400 or 8.0 percent. During the same period, the manufacturing workforce lost 3,400 jobs.

Mansfield MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
2.1	21.7	1979	3.5	1.9	9.1	1979	2.3	7.9	6.8
1.8	20.6	1980	3.3	1.7	9.5	1980	2.3	8.1	6.8
1.3	21.2	1981	3.3	1.7	9.3	1981	2.4	8.4	6.5
1.1	18.0	1982	3.1	1.7	9.0	1982	2.3	8.4	6.7
1.3	19.0	1983	2.9	1.8	8.9	1983	2.3	8.9	6.7
1.5	20.4	1984	2.9	1.9	9.3	1984	2.3	9.6	6.8
1.7	19.9	1985	2.8	2.0	9.6	1985	2.4	9.8	7.0
1.9	19.3	1986	2.9	2.2	10.1	1986	2.3	10.1	7.4
2.0	19.1	1987	2.9	2.1	10.5	1987	2.3	11.1	7.3
2.0	19.2	1988	3.0	2.2	11.1	1988	2.4	11.6	7.1
2.2	19.0	1989	3.0	2.3	11.5	1989	2.4	12.6	7.4
2.1	18.3	1990	3.1	2.3	11.2	1990	2.3	12.8	7.6


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
Mansfield MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Mansfield MSA Nonagricultural Employment (Selected Goods-Producing Industries)
Thousands
8
6
4
2
Fabricated Metal Products
Electronic and Other Electric Equipment
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Mansfield MSA Nonagricultural Employment (Selected Service-Producing Industries)
Thousands
16
14
12
10
8
6
4
2
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Mansfield MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	59.6	58.8	59.1	59.9	60.1	60.8	60.8	59.8	59.4	59.4	59.2	59.1	59.2
Goods–Producing Industries	20.4	20.1	20.5	20.7	20.7	20.7	20.9	20.7	20.5	20.2	20.1	20.0	19.9
Construction and Mining	2.1	1.9	1.9	1.9	2.0	2.1	2.2	2.4	2.4	2.3	2.3	2.2	2.1
Manufacturing	18.3	18.2	18.6	18.8	18.7	18.6	18.7	18.3	18.1	17.9	17.8	17.8	17.8
Durable Goods[c]	16.3	16.2	16.6	16.8	16.7	16.6	16.7	16.3	16.1	15.9	15.9	15.9	15.9
Fabricated Metal Products	5.4	5.0	5.4	5.5	5.4	5.4	5.5	5.4	5.2	5.5	5.4	5.4	5.4
Electronic and Other Electric Equipment	3.2	3.5	3.5	3.5	3.4	3.3	3.3	3.1	3.0	2.9	3.0	3.0	3.0
Nondurable Goods[d]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
Service–Producing Industries	39.2	38.7	38.7	39.1	39.4	40.1	39.9	39.1	38.9	39.1	39.1	39.1	39.3
Transportation and Public Utilities	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Wholesale Trade	2.3	2.3	2.2	2.2	2.3	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.3
Retail Trade	11.2	11.1	10.8	11.1	11.2	11.3	11.4	11.3	11.4	11.4	11.1	11.1	11.2
Finance, Insurance, and Real Estate	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
Services	12.8	12.6	12.7	12.8	12.8	13.0	12.8	12.7	12.6	12.9	12.8	12.7	12.9
Health Services	4.4	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5
Government	7.6	7.4	7.6	7.8	7.8	8.1	7.8	7.4	7.2	7.2	7.5	7.7	7.6
Local Government	5.7	5.7	5.8	5.9	5.9	5.9	5.8	5.5	5.4	5.4	5.7	5.8	5.7
Local Government Education	3.9	3.8	4.0	4.0	4.0	4.0	3.9	3.6	3.6	3.8	4.1	4.2	4.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [r]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-12 (1990)

Mansfield MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	60.4	58.9	59.2	59.7	60.4	61.1	61.2	60.7	60.1	60.8	60.7	60.9	61.0
Goods–Producing Industries	21.2	21.0	21.1	21.0	21.2	21.6	21.7	21.3	20.9	21.2	21.2	21.3	21.0
Construction and Mining	2.2	1.8	1.8	1.9	2.0	2.2	2.2	2.5	2.4	2.3	2.3	2.3	2.2
Manufacturing	19.0	19.2	19.3	19.1	19.2	19.4	19.5	18.8	18.5	18.8	18.9	19.0	18.8
Durable Goods[c]	17.0	17.2	17.3	17.1	17.2	17.4	17.5	16.8	16.5	16.8	16.8	17.0	16.8
Fabricated Metal Products	5.6	5.8	5.9	5.8	5.7	5.8	5.8	5.1	5.0	5.4	5.6	5.7	5.6
Electronic and Other Electric Equipment	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.5
Nondurable Goods[d]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Service–Producing Industries	39.2	37.9	38.1	38.7	39.1	39.4	39.6	39.4	39.2	39.7	39.5	39.6	39.9
Transportation and Public Utilities	3.0	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.1
Wholesale Trade	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3
Retail Trade	11.5	10.9	10.8	11.0	11.5	11.5	11.8	11.7	11.7	11.7	11.4	11.7	11.9
Finance, Insurance, and Real Estate	2.4	2.5	2.4	2.5	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3
Services	12.6	12.3	12.4	12.7	12.6	12.6	12.5	12.6	12.6	12.9	12.8	12.6	12.8
Health Services	4.3	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.4	4.3	4.3
Government	7.4	7.2	7.4	7.4	7.4	7.5	7.5	7.3	7.1	7.2	7.5	7.6	7.5
Local Government	5.6	5.5	5.7	5.7	5.7	5.8	5.7	5.5	5.3	5.5	5.8	5.8	5.7
Local Government Education	3.8	3.8	4.0	4.0	3.9	4.0	3.9	3.6	3.4	3.7	4.0	4.0	3.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [l]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-12 (1989)

Mansfield MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.45	$12.96	$12.96	$13.03	$12.88	$13.23	$13.52	$13.51	$13.48	$14.06	$14.06	$13.91	$13.85
Durable Goods[b]	13.99	13.45	13.46	13.53	13.40	13.74	14.07	14.06	14.03	14.64	14.64	14.49	14.38
Fabricated Metal Products	17.14	16.43	16.28	16.44	16.15	16.39	17.25	17.28	17.31	17.75	18.26	17.82	18.14
Electronic and Other Electric Equipment	10.96	10.92	10.76	10.86	10.75	10.92	11.00	10.96	11.04	11.13	11.02	11.18	11.07
Nondurable Goods[c]	9.02	8.71	8.87	8.95	8.44	8.95	9.15	9.12	9.20	9.24	9.19	9.17	9.17
Wholesale Trade	8.40	8.45	8.47	8.50	8.33	8.41	8.42	8.39	8.46	8.24	8.23	8.42	8.51
Retail Trade[d]	6.26	6.09	6.08	6.09	6.20	6.15	6.17	6.24	6.25	6.27	6.36	6.78	6.41

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-12 (1990)

Mansfield MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	41.1	40.4	40.2	40.7	39.9	41.2	42.3	41.5	41.4	42.7	41.9	41.1	40.1
Durable Goods[b]	40.8	40.1	39.7	40.3	39.8	41.0	41.9	41.2	41.0	42.6	41.7	40.7	39.8
Fabricated Metal Products	40.0	37.0	38.8	39.3	38.7	40.2	42.2	40.3	40.3	43.7	40.9	39.0	39.9
Electronic and Other Electric Equipment	40.8	42.3	40.0	40.4	40.0	39.2	40.1	40.1	41.0	40.6	41.6	42.5	41.5
Nondurable Goods[c]	43.8	43.3	45.0	43.9	40.6	43.2	45.8	44.4	44.6	43.7	43.4	44.7	43.3
Wholesale Trade	40.1	39.7	40.0	40.4	40.0	40.3	40.6	40.3	40.3	40.1	39.8	40.0	39.7
Retail Trade	27.2	26.6	26.6	27.0	26.7	26.8	26.8	27.1	27.0	27.3	26.9	29.5	28.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-12 (1990)

Mansfield MSA

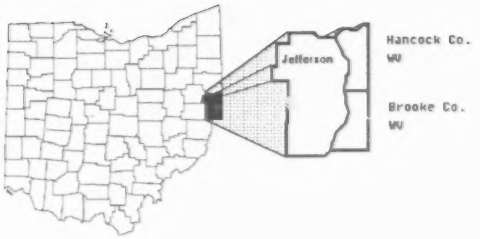
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$552.80	$523.58	$520.99	$530.32	$513.91	$545.08	$571.90	$560.67	$558.07	$600.36	$589.11	$571.70	$555.39
Durable Goods[b]	570.79	539.35	534.36	545.26	533.32	563.34	589.53	579.27	575.23	623.66	610.49	589.74	572.32
Fabricated Metal Products	685.60	607.91	631.66	646.09	625.01	658.88	727.95	696.38	697.59	775.68	746.83	694.98	723.79
Electronic and Other Electric Equipment	447.17	461.92	430.40	438.74	430.00	428.06	441.10	439.50	452.64	451.88	458.43	475.15	459.41
Nondurable Goods[c]	395.08	377.14	399.15	392.91	342.66	386.64	419.07	404.93	410.32	403.79	398.85	409.90	397.06
Wholesale Trade	336.84	335.47	338.80	343.40	333.20	338.92	341.85	338.12	340.94	330.42	327.55	336.80	337.85
Retail Trade[d]	170.27	161.99	161.73	164.43	165.54	164.82	165.36	169.10	168.75	171.17	171.08	200.01	180.76

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

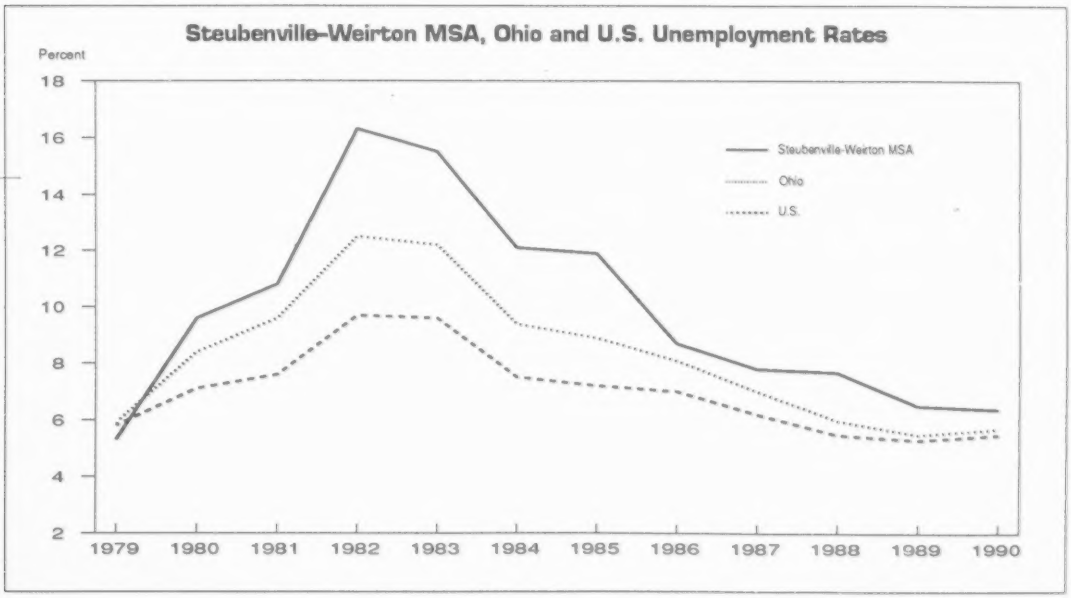
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-12 (1990)

Steubenville-Weirton Metropolitan Statistical Area



In the Steubenville-Weirton metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 200 from 1989 to 56,400 in 1990. Total employment was 100 higher at 52,700, while unemployment was unchanged over the year. The unemployment rate dropped from 6.5 percent in 1989 to 6.4 percent in 1990.

Nonagricultural wage and salary employment advanced 800 above the 1989 level to 52,200 in 1990, up 1.5 percent. Expansion in the service-producing sector created 500 jobs. Growth in services, especially health services, and in government outweighed nominal reductions in transportation and public utilities and wholesale trade. The workforce in goods-producing industries, at 20,500, gained 300 employees primarily due to more business in construction. Employment in durable-goods manufacturing and mining declined slightly during the period.



Steubenville–Weirton MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

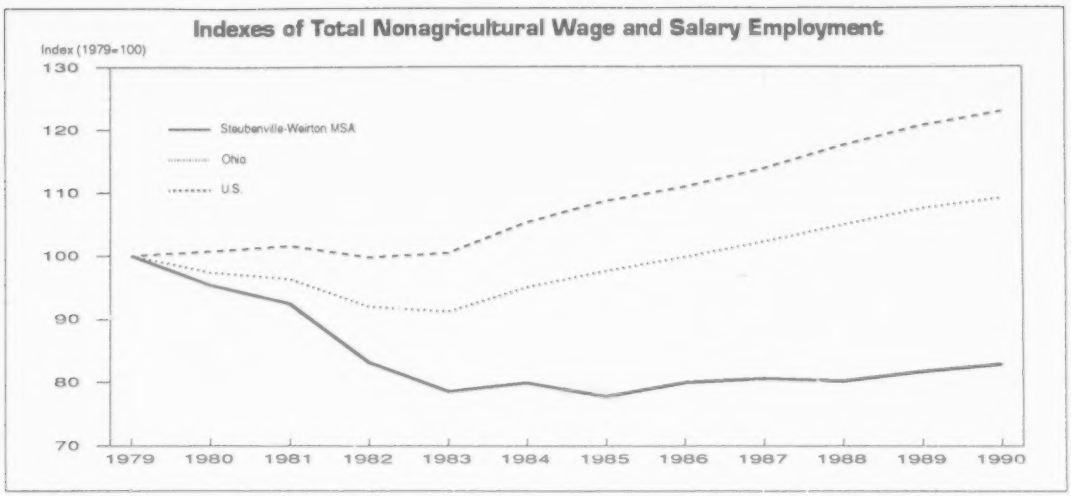
Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
66.9	63.3	3.5	5.3	5.9	5.8	1979	62.9	30.2	32.7
68.1	61.6	6.6	9.6	8.4	7.1	1980	60.0	27.5	32.5
66.2	59.0	7.2	10.8	9.6	7.6	1981	58.1	26.1	32.1
64.2	53.8	10.5	16.3	12.5	9.7	1982	52.3	21.7	30.6
59.9	50.6	9.3	15.5	12.2	9.6	1983	49.5	19.6	29.8
59.0	51.8	7.2	12.1	9.4	7.5	1984	50.3	20.5	29.8
58.0	51.1	6.9	11.9	8.9	7.2	1985	48.9	18.7	30.3
56.4	51.5	4.9	8.7	8.1	7.0	1986	50.3	20.0	30.3
56.5	52.0	4.4	7.8	7.0	6.2	1987	50.8	19.9	30.8
54.9	50.7	4.2	7.7	6.0	5.5	1988	50.5	19.8	30.7
56.2	52.6	3.6	6.5	5.5	5.3	1989	51.4	20.3	31.1
56.4	52.7	3.6	6.4	5.7	5.5	1990	52.2	20.5	31.6

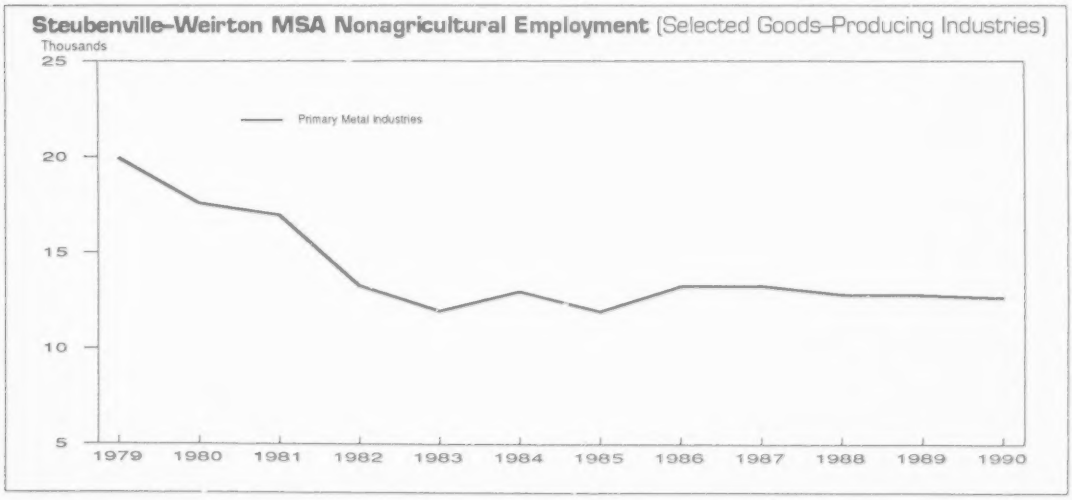
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

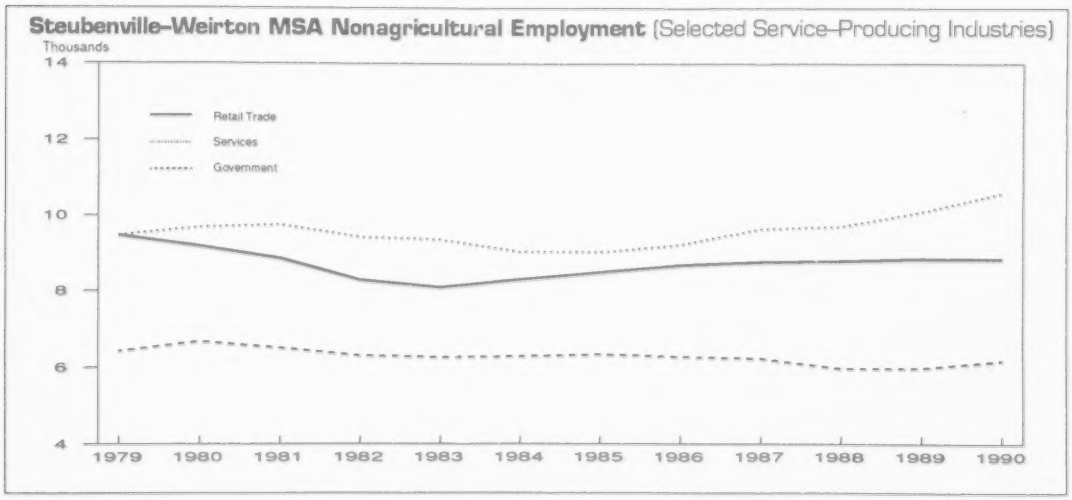
Nonfarm payroll employment in the Steubenville-Weirton area increased 2,700 since the 1983 economic downturn. Modest growth occurred in services, manufacturing, and retail trade. Declines were posted in transportation and public utilities and in government. From 1979 to 1990, employment dropped 10,700 or 17.0 percent primarily due to the loss of 9,100 manufacturing jobs. Transportation and public utilities was 1,200 lower; construction and mining and retail trade decreased 700 each.

Steubenville–Weirton MSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
3.6	26.7	1979	4.3	1.5	9.5	1979	1.6	9.5	6.4
3.5	24.0	1980	4.2	1.1	9.2	1980	1.6	9.7	6.7
2.9	23.2	1981	4.2	1.2	8.9	1981	1.6	9.8	6.5
3.5	18.3	1982	4.0	1.1	8.3	1982	1.4	9.4	6.3
2.8	16.8	1983	3.6	1.1	8.1	1983	1.4	9.4	6.3
2.8	17.6	1984	3.6	1.2	8.3	1984	1.5	9.1	6.3
2.6	16.1	1985	3.5	1.2	8.5	1985	1.6	9.1	6.3
2.5	17.5	1986	3.3	1.2	8.7	1986	1.6	9.2	6.3
2.4	17.6	1987	3.3	1.2	8.8	1987	1.7	9.7	6.2
2.3	17.5	1988	3.3	1.2	8.8	1988	1.6	9.7	6.0
2.5	17.8	1989	3.2	1.3	8.9	1989	1.7	10.1	6.0
2.9	17.6	1990	3.1	1.2	8.8	1990	1.7	10.6	6.2


Indexes of Total Nonagricultural Wage and Salary Employment
Index (1979=100)
130
120
110
100
90
80
70
Steubenville-Weirton MSA
Ohio
U.S.
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Steubenville–Weirton MSA Nonagricultural Employment (Selected Goods–Producing Industries)
Thousands
25
20
15
10
5
Primary Metal Industries
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990


Steubenville–Weirton MSA Nonagricultural Employment (Selected Service–Producing Industries)
Thousands
14
12
10
8
6
4
Retail Trade
Services
Government
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Steubenville–Weirton MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	52.2	50.8	50.9	51.3	52.2	53.3	53.2	52.2	52.2	52.4	52.7	52.4	52.4
Goods–Producing Industries	20.5	20.1	20.1	19.9	20.5	20.9	21.0	20.8	20.9	20.8	20.9	20.3	20.5
Mining	.8	.9	.9	.8	.8	.8	.8	.8	.8	.8	.8	.9	.9
Construction	2.1	1.7	1.6	1.5	1.9	2.3	2.2	2.2	2.3	2.4	2.4	2.2	2.1
Manufacturing	17.6	17.6	17.7	17.5	17.7	17.7	17.9	17.8	17.7	17.6	17.6	17.3	17.5
Durable Goods[c]	16.0	16.0	16.1	16.0	16.1	16.1	16.2	16.1	16.1	15.9	15.9	15.6	15.8
Primary Metal Industries	12.7	12.7	12.8	12.6	12.7	12.7	12.9	12.8	12.8	12.6	12.7	12.3	12.5
Nondurable Goods[d]	1.7	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7
Service–Producing Industries	31.6	30.6	30.8	31.4	31.7	32.4	32.3	31.4	31.4	31.6	31.9	32.1	31.9
Transportation and Public Utilities	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.0	3.1
Wholesale Trade	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
Retail Trade	8.8	8.5	8.5	8.7	8.8	9.0	9.0	8.9	8.9	8.9	8.9	9.0	9.0
General Merchandise Stores	1.4	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
Finance, Insurance, and Real Estate	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
Services	10.6	10.1	10.1	10.5	10.6	10.8	10.9	10.6	10.5	10.7	10.9	10.9	10.6
Health Services	4.9	4.6	4.7	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.0	5.0	5.0
Hospitals	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.4
Government	6.2	6.0	6.2	6.2	6.3	6.5	6.2	5.9	5.9	6.0	6.3	6.3	6.4
Local Government	5.3	5.2	5.4	5.4	5.3	5.4	5.2	4.9	4.9	5.1	5.3	5.4	5.5
Local Government Education	3.3	3.4	3.5	3.5	3.4	3.4	3.2	2.9	2.8	3.2	3.4	3.5	3.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual 1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-13 (1990)

Steubenville–Weirton MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	51.4	50.8	50.4	50.9	51.0	51.8	52.4	51.1	51.3	51.4	51.9	52.0	52.2
Goods–Producing Industries	20.3	20.1	19.8	19.8	19.8	20.0	20.3	20.4	20.6	20.5	20.6	20.7	20.8
Mining	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
Construction	1.6	1.3	1.1	1.1	1.3	1.3	1.7	1.6	1.6	1.7	2.0	2.2	2.3
Manufacturing	17.8	17.9	17.8	17.7	17.6	17.7	17.7	17.9	18.1	17.9	17.7	17.6	17.7
Durable Goods[c]	16.2	16.3	16.2	16.1	16.0	16.2	16.2	16.3	16.4	16.2	16.1	16.0	16.0
Primary Metal Industries	12.8	12.9	12.8	12.7	12.7	12.8	12.9	13.0	13.1	12.9	12.8	12.7	12.7
Nondurable Goods[d]	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.7	1.7	1.7	1.6	1.6	1.7
Service–Producing Industries	31.1	30.7	30.6	31.1	31.3	31.8	32.0	30.7	30.7	30.9	31.3	31.2	31.4
Transportation and Public Utilities	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.1	3.1	3.2
Wholesale Trade	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Retail Trade	8.9	8.7	8.7	8.7	8.8	9.1	9.0	9.0	9.0	8.9	8.7	8.9	8.9
General Merchandise Stores	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.6	1.6
Finance, Insurance, and Real Estate	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Services	10.1	9.8	9.6	10.0	10.2	10.3	10.5	9.7	9.8	10.2	10.5	10.3	10.3
Health Services	4.5	4.4	4.4	4.4	4.5	4.5	4.6	4.5	4.6	4.6	4.6	4.6	4.6
Hospitals	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4
Government	6.0	6.0	6.1	6.2	6.2	6.2	6.2	5.7	5.7	5.6	5.9	5.9	6.1
Local Government	5.1	5.2	5.3	5.3	5.3	5.3	5.3	4.9	4.8	4.7	5.1	5.1	5.2
Local Government Education	3.2	3.3	3.4	3.4	3.4	3.4	3.3	2.8	2.8	2.9	3.3	3.3	3.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-13 (1989)

Steubenville–Weirton MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.73	$11.72	$11.76	$11.75	$11.81	$11.80	$11.69	$11.68	$11.65	$11.69	$11.56	$11.90	$11.72
Durable Goods[b]	12.07	12.01	12.07	12.08	12.12	12.14	12.04	12.03	12.00	12.05	11.93	12.28	12.08
Primary Metal Industries	12.56	12.52	12.60	12.57	12.63	12.57	12.49	12.45	12.46	12.55	12.46	12.87	12.57
Nondurable Goods[c]	6.31	6.10	6.02	6.05	6.54	6.22	6.30	6.22	6.25	6.00	6.35	6.73	6.69
Wholesale Trade	8.54	8.85	8.84	8.60	8.24	8.42	8.45	8.42	8.55	8.50	8.45	8.52	8.60
Retail Trade[d]	6.00	5.83	5.95	5.90	5.97	5.95	6.03	6.04	6.02	6.06	6.09	6.02	6.13

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employement Services
Columbus 43216 4-15-91 RS-790-4-13 (1990)

Steubenville–Weirton MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.4	42.4	42.1	42.5	43.3	44.0	43.6	44.1	44.1	43.4	43.0	44.7	43.9
Durable Goods[b]	44.3	43.3	43.1	43.4	44.0	44.8	44.6	45.1	45.0	44.4	43.9	45.6	44.5
Primary Metal Industries	45.3	44.2	44.0	44.3	45.3	45.8	45.9	46.1	46.0	45.5	44.6	46.6	45.5
Nondurable Goods[c]	33.0	31.0	29.5	31.7	34.0	33.5	32.7	32.7	33.8	31.8	33.5	35.3	36.3
Wholesale Trade	39.7	40.5	40.1	39.8	39.3	39.5	39.8	39.5	39.1	39.7	39.5	39.6	39.8
Retail Trade	27.5	27.0	26.8	26.9	27.1	27.4	27.1	28.0	27.9	27.4	27.5	27.8	29.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f]Depressed due to labor-management disputes during part of pay period. [g]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-13 (1990)

Steubenville-Weirton MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$509.08	$496.93	$495.10	$499.38	$511.37	$519.20	$509.68	$515.09	$513.77	$507.35	$497.08	$531.93	$514.51
Durable Goods[b]	534.70	520.03	520.22	524.27	533.28	543.87	536.98	542.55	540.00	535.02	523.73	559.97	537.56
Primary Metal Industries	568.97	553.38	554.40	556.85	572.14	575.71	573.29	573.95	573.16	571.03	555.72	599.74	571.94
Nondurable Goods[c]	208.23	189.10	177.59	191.79	222.36	208.37	206.01	203.39	211.25	190.80	212.73	237.57	242.85
Wholesale Trade	339.04	358.43	354.48	342.28	323.83	332.59	336.31	332.59	334.31	337.45	333.78	337.39	342.28
Retail Trade[d]	165.00	157.41	159.46	158.71	161.79	163.03	163.41	169.12	167.96	166.04	167.48	167.36	177.77

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d]Money payments only; tips not included. [r]Depressed due to labor-management disputes during part of pay period. [s]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-13 (1990)

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark. Employment data for 1990 will be revised at the next benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

SG270-1

Ohio Labor Market Information

Labor Market Review

August 1991

Summary. Ohio's seasonally adjusted unemployment rate declined from 6.9 percent in July 1991 to 6.8 percent in August 1991. The U.S. rate was also 6.8 percent in August, unchanged from the previous month. Total employment in Ohio was down 111,000 from July to 5,008,000 in August. There were 365,000 unemployed Ohioans in August, 13,000 fewer than in July. Total nonagricultural wage and salary employment (seasonally adjusted), at 4,933,000 in August, increased 8,000 from July. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries rose 2,000 from July to 1,297,000 in August. The increase occurred in manufacturing, which totaled 1,081,000 in August. A decline of 3,000 in transportation equipment was more than offset by gains of 2,000 in rubber and miscellaneous plastics products and 1,000 in both primary metal industries and food and kindred products. Employment in mining and construction was little changed over the month.

Service-Producing Industries. There were 3,636,000 people employed in service-producing industries in August, up 6,000 from July. Most of the increase was in services, especially health services. Wholesale trade and retail trade added 1,000 jobs each. Employment in transportation and public utilities and finance, insurance, and real estate was virtually unchanged from July. Government employment declined 1,000 over the month.

Over the Year. Ohio's unemployment rate increased from 5.3 percent in August 1990 to 6.8 percent in August 1991. The national rate rose from 5.6 percent to 6.8 percent during the same period. Total employment in Ohio was down 151,000 from August 1990, while total unemployment was 77,000 higher. Nonfarm payroll employment advanced 22,000 over the year. Employment in services was up 42,000 due largely to increases in health and business services. Most other service-producing industries showed gains from August 1990. Manufacturing employment was down 34,000 over the year. Employment in most component industries was substantially below the year-ago level. The largest declines were in industrial machinery and equipment (-9,000), fabricated metal products (-8,000), transportation equipment (-7,000), and rubber and miscellaneous plastics products (-5,000). Construction employment rose 3,000, while mining employment declined 1,000 over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $554.98 per week in August, up fractionally from July. Their average workweek of 42.3 hours was 0.1 hours longer. Industries with notably higher earnings included nonferrous rolling and drawing and refrigeration and service machinery. Among those industries with significant declines in earnings were motor vehicles and equipment and miscellaneous plastics products.

Benefits and Costs. There were 66,694 initial claims filed under the Ohio Unemployment Compensation Law in August, down 8.3 percent from July, but up 24.0 percent from August

Ohio Bureau of Employment Services
George V. Voinovich, Governor James Conrad, Administrator

1990. Total benefits paid rose 0.6 percent to $72.8 million. The average weekly benefit check of $174.79 was $1.99 higher than in July. The average weekly number of benefit recipients, at 94,414, decreased 1.5 percent. At the end of August, there were 208,973 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 37,412 new job applicants in August, down 5.9 percent from July, but up 5.4 percent from August 1990. The Employment Services Division made 23,409 job referrals in August, down 19.8 percent over the month. There were 5,537 total placements made, down 25.5 percent.

Occupational Wage and Employment Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs and wages by occupations in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644-2689, or write:

Ohio Bureau of Employment Services
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In This Issue

Summary 1
Seasonally Adjusted Series
Current Data 3
Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
Historical Data 7
Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Hamilton–Middletown PMSA 46
Lima MSA 48
Lorain–Elyria PMSA 50
Mansfield MSA 52
Steubenville–Weirton MSA 54

Technical Notes 56
Employment Service Activities and Unemployment Insurance Activities 57

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1991	Jul. 1991	Aug. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,373	5,497	5,447	-124	-74	-2.3	-1.4
Employment	5,008	5,119	5,159	-111	-151	-2.2	-2.9
Unemployment	365	378	288	-13	77	-3.4	26.7
Unemployment Rate	6.8	6.9	5.3				
Employer Survey Data[e]							
Total	4,933	4,924	4,910	8	22	.2	.5
Goods-Producing Industries	1,297	1,295	1,329	2	-32	.2	-2.4
Mining	17	17	18	0	-1	-1.5	-5.2
Coal Mining	7	7	7	0	0	-.3	-4.9
Oil and Gas Extraction	6	6	6	0	0	-2.3	-3.8
Construction	200	200	197	0	3	.0	1.4
General Building Contractors	48	48	47	0	1	.1	1.3
Heavy Construction, Except Building	25	24	24	0	1	.5	3.4
Special Trade Contractors	127	128	126	0	1	-.2	1.1
Manufacturing	1,081	1,078	1,115	2	-34	.2	-3.1
Durable Goods	714	715	746	-1	-32	-.1	-4.3
Lumber and Wood Products	21	21	21	0	0	.9	-.6
Furniture and Fixtures	15	15	15	0	0	.7	1.0
Stone, Clay, and Glass Products	44	44	45	0	-2	.1	-3.5
Primary Metal Industries	97	96	101	1	-3	1.2	-3.4
Fabricated Metal Products	124	124	132	0	-8	.0	-5.8
Industrial Machinery and Equipment	156	156	165	0	-9	.1	-5.6
Electronic and Other Electric Equipment	77	77	79	0	-2	.0	-3.0
Transportation Equipment	140	142	146	-3	-7	-1.8	-4.5
Instruments and Related Products	26	26	26	0	-1	-.1	-2.0
Nondurable Goods	367	363	369	3	-2	.9	-.6
Food and Kindred Products	64	63	60	1	4	1.1	6.2
Apparel and Other Textile Products	15	14	15	0	0	3.4	-1.0
Paper and Allied Products	37	37	38	0	0	.2	-.5
Printing and Publishing	76	76	76	0	0	.1	.1
Chemicals and Allied Products	66	66	66	0	-1	-.1	-.8
Rubber and Misc. Plastics Products	90	88	95	2	-5	2.0	-4.8
Service-Producing Industries	3,636	3,629	3,581	6	55	.2	1.5
Transportation and Public Utilities	221	221	219	0	2	.1	1.0
Transportation	130	130	128	0	2	.2	1.9
Communications, Electric, Gas Services	91	91	91	0	0	.0	-.3

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1991	Jul. 1991	Aug. 1990	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	267	266	264	1	3	.3	1.3
Wholesale Trade-Durable Goods	165	165	165	0	1	.3	.5
Wholesale Trade-Nondurable Goods	102	101	99	0	3	.3	2.5
Retail Trade	913	912	913	1	0	.1	.0
Building Materials and Garden Supplies	34	34	35	0	-1	-.2	-2.4
General Merchandise Stores	123	123	127	0	-4	-.1	-3.2
Food Stores	140	140	141	0	-1	-.1	-.5
Automotive Dealers and Service Stations	98	97	99	0	-1	.3	-1.3
Apparel and Accessory Stores	51	51	50	0	2	.0	3.2
Furniture and Homefurnishings Stores	32	32	32	0	0	.2	1.0
Eating and Drinking Places	315	314	313	0	2	.1	.6
Miscellaneous Retail	121	120	118	1	3	.5	2.9
Finance, Insurance, and Real Estate	257	257	255	0	2	.1	.6
Finance	121	121	121	0	0	.1	.0
Depository Institutions	89	89	90	0	-1	-.1	-.8
Insurance	91	91	91	0	1	.0	.9
Real Estate	44	44	44	0	1	.2	1.6
Services	1,246	1,240	1,204	6	42	.5	3.5
Hotels and Other Lodging Places	41	41	40	0	2	.5	4.0
Personal Services	56	56	55	0	1	.6	2.6
Business Services	231	230	221	1	11	.4	4.9
Amusements, Including Motion Pictures	62	63	61	0	1	-.5	1.8
Health Services	413	411	398	2	14	.4	3.6
Legal Services	30	30	29	0	1	.1	3.0
Educational Services	66	65	64	1	2	1.5	2.8
Social Services	85	85	81	0	4	.2	5.2
Membership Organizations	79	79	79	1	0	.7	.2
Engineering and Management Services	94	94	91	0	3	.5	3.3
Government	731	733	726	-1	5	-.2	.7
Federal Government	94	94	96	0	-2	-.2	-2.2
State Government	167	165	165	2	2	1.1	1.4
State Government Education	90	89	87	1	3	1.1	3.5
Local Government	470	474	465	-3	5	-.6	1.1
Local Government Education	272	274	268	-2	4	-.8	1.3

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1989
5,428	5,144	284	5.2	5.2	August
5,435	5,140	295	5.4	5.3	September
5,452	5,132	320	5.9	5.3	October
5,420	5,087	333	6.1	5.3	November
5,426	5,102	324	6.0	5.3	December
					1990
5,418	5,074	344	6.3	5.3	January
5,386	5,073	313	5.8	5.3	February
5,408	5,107	301	5.6	5.3	March
5,421	5,106	315	5.8	5.4	April
5,429	5,112	317	5.8	5.3	May
5,421	5,129	292	5.4	5.3	June
5,420	5,115	305	5.6	5.5	July
5,447	5,159	288	5.3	5.6	August
5,447	5,156	291	5.3	5.7	September
5,463	5,148	315	5.8	5.7	October
5,452	5,156	296	5.4	5.9	November
5,488	5,179	309	5.6	6.1	December
					1991
5,383	5,065	318	5.9	6.2	January
5,384	5,007	377	7.0	6.5	February
5,470	5,073	397	7.3	6.8	March
5,523	5,124	399	7.2	6.6	April
5,467	5,163	304	5.6	6.9	May
5,447	5,100	347	6.4	7.0	June
5,497	5,119	378	6.9	6.8	July
5,373	5,008	365	6.8	6.8	August

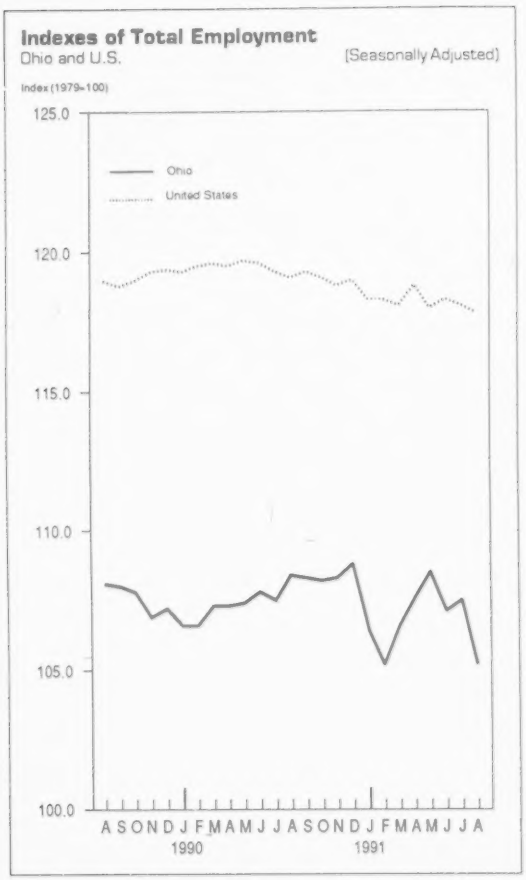
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1989
4,830	1,336	18	195	1,122	August
4,834	1,332	18	196	1,119	September
4,830	1,322	18	194	1,110	October
4,845	1,332	18	196	1,119	November
4,854	1,330	18	196	1,117	December
					1990
4,840	1,314	18	199	1,097	January
4,873	1,337	18	204	1,116	February
4,888	1,338	18	204	1,117	March
4,878	1,332	18	199	1,115	April
4,895	1,332	18	198	1,117	May
4,903	1,334	18	197	1,119	June
4,903	1,328	18	196	1,114	July
4,910	1,329	18	197	1,115	August
4,911	1,328	17	197	1,113	September
4,921	1,329	17	197	1,115	October
4,913	1,318	17	198	1,103	November
4,914	1,316	17	199	1,100	December
					1991
4,919	1,315	17	200	1,098	January
4,911	1,300	17	202	1,081	February
4,913	1,296	17	202	1,077	March
4,907	1,297	17	201	1,079	April
4,916	1,297	17	200	1,080	May
4,922	1,301	17	201	1,083	June
4,924	1,295	17	200	1,078	July
4,933	1,297	17	200	1,081	August

Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1989				1989		
3,495	217	August	262	902	253	August	1,155	706
3,502	218	September	261	902	254	September	1,159	708
3,508	218	October	261	902	254	October	1,163	711
3,513	218	November	261	906	254	November	1,164	710
3,524	219	December	260	909	254	December	1,168	714
		1990				1990		
3,526	219	January	261	909	254	January	1,171	714
3,536	219	February	260	910	254	February	1,175	717
3,550	220	March	261	913	255	March	1,181	720
3,545	219	April	262	907	254	April	1,181	722
3,563	220	May	262	908	254	May	1,187	731
3,570	219	June	263	911	255	June	1,195	727
3,576	219	July	263	911	255	July	1,199	728
3,581	219	August	264	913	255	August	1,204	726
3,583	220	September	264	912	255	September	1,207	725
3,592	220	October	264	912	256	October	1,213	727
3,595	220	November	265	913	256	November	1,215	727
3,598	221	December	265	912	256	December	1,218	726
		1991				1991		
3,604	222	January	265	913	257	January	1,220	727
3,611	222	February	265	913	257	February	1,225	730
3,617	221	March	265	915	257	March	1,229	729
3,611	221	April	265	909	256	April	1,231	728
3,620	221	May	265	910	257	May	1,236	731
3,621	220	June	266	912	257	June	1,239	728
3,629	221	July	266	912	257	July	1,240	733
3,636	221	August	267	913	257	August	1,246	731

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.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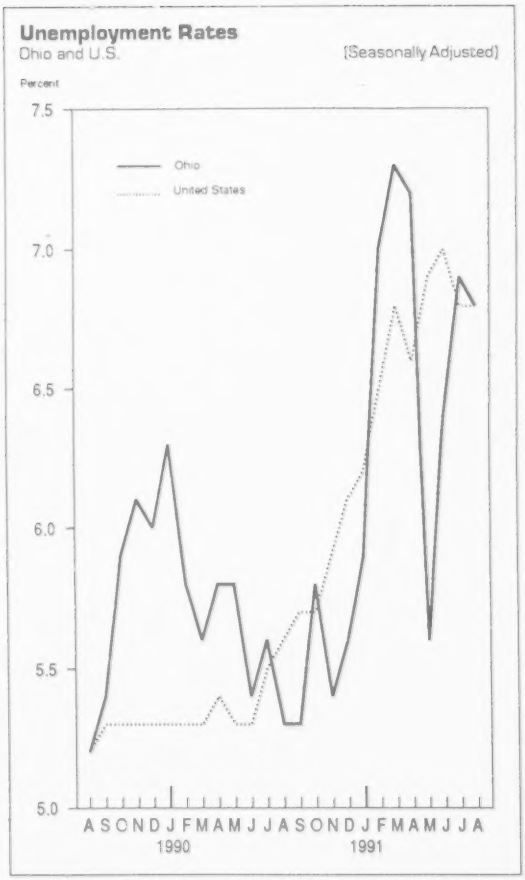
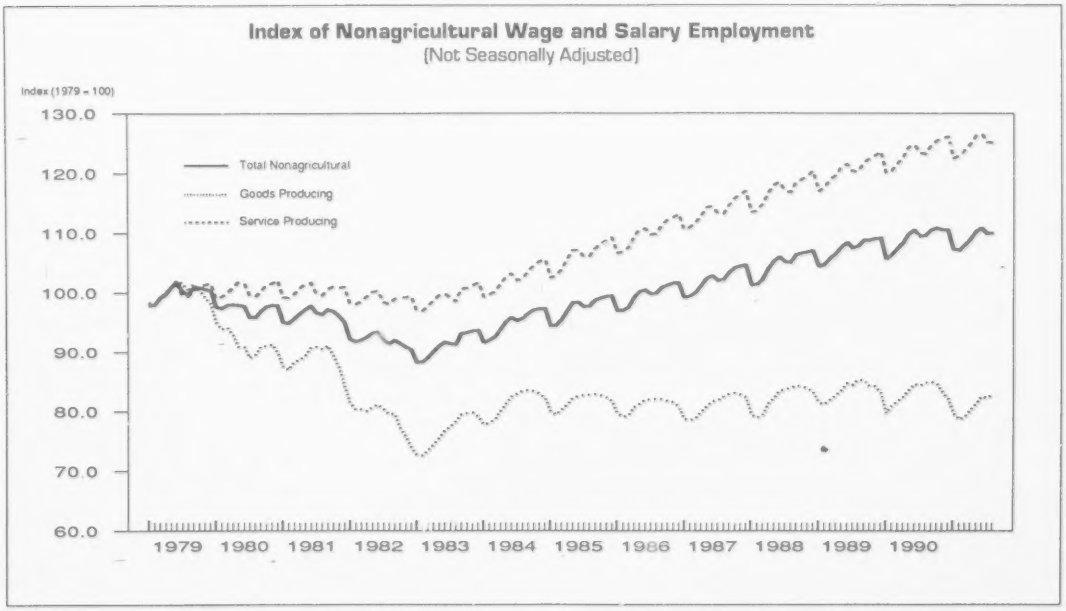
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
A S O N D J F M A M J J A S O N D J F M A M J J A
1990
1991


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.5
7.0
6.5
6.0
5.5
5.0
Ohio
United States
A S O N D J F M A M J J A S O N D J F M A M J J A
1990
1991


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
130.0
120.0
110.0
100.0
90.0
80.0
70.0
60.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
5,433	5,126	307	5.7	5.5	1990
					1990
5,504	5,245	258	4.7	5.4	August
5,436	5,177	259	4.8	5.5	September
5,493	5,187	306	5.6	5.4	October
5,463	5,176	287	5.3	5.8	November
5,484	5,169	315	5.7	5.9	December
					1991
5,357	4,968	389	7.3	7.0	January
5,341	4,932	409	7.7	7.2	February
5,417	5,004	414	7.6	7.1	March
5,473	5,087	386	7.1	6.5	April
5,445	5,154	292	5.4	6.6	May
5,508	5,152	356	6.5	6.9	June
5,546	5,197	349	6.3	6.7	July
5,429	5,102	327	6.0	6.5	August

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.4	1,334.1	17.9	193.6	1,122.6	1989
4,895.8	1,327.8	17.6	198.5	1,111.7	1990
					1990
4,916.5	1,356.3	18.0	217.8	1,120.5	August
4,958.1	1,357.5	17.9	216.4	1,123.2	September
4,974.2	1,352.7	17.8	213.6	1,121.3	October
4,962.8	1,331.3	17.6	207.6	1,106.1	November
4,955.9	1,313.0	17.4	195.7	1,099.9	December
					1991
4,814.5	1,274.5	16.7	172.2	1,085.6	January
4,807.8	1,256.3	16.4	169.0	1,070.9	February
4,844.7	1,263.4	16.7	176.8	1,069.9	March
4,889.7	1,281.7	16.9	190.0	1,074.8	April
4,947.0	1,298.3	16.9	201.3	1,080.2	May
4,975.6	1,318.9	17.2	211.1	1,090.6	June
4,931.9	1,314.2	17.3	218.4	1,078.5	July
4,938.9	1,324.2	17.0	220.8	1,086.4	August

Service–Producing Employment

(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.4	216.4	1989	261.0	900.1	252.4	1989	1,147.1	706.4
3,568.0	219.7	1990	262.8	910.8	254.9	1990	1,195.6	724.2
		1990				1990		
3,560.3	221.4	August	265.2	922.2	258.4	August	1,220.4	672.5
3,600.6	222.6	September	264.4	919.6	256.4	September	1,227.2	710.4
3,621.5	222.4	October	265.1	917.8	255.7	October	1,222.0	738.5
3,631.6	222.1	November	265.2	928.9	255.4	November	1,214.9	745.0
3,642.8	223.4	December	265.9	941.7	255.8	December	1,212.6	743.4
		1991				1991		
3,540.0	217.5	January	262.1	893.0	253.7	January	1,184.3	729.3
3,551.4	216.7	February	261.7	880.4	254.0	February	1,194.7	744.0
3,581.3	217.6	March	262.7	889.4	254.6	March	1,208.7	748.3
3,608.0	219.3	April	263.9	899.2	254.9	April	1,228.3	742.3
3,648.7	220.9	May	265.6	912.3	256.6	May	1,242.8	750.4
3,656.7	222.3	June	267.6	921.2	259.3	June	1,260.2	726.0
3,617.7	223.1	July	268.8	918.4	260.1	July	1,259.9	687.5
3,614.6	223.6	August	268.6	922.8	260.1	August	1,262.9	676.6

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,264.3	880.3	384.1	1980	867.8	$301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,122.6	754.7	367.9	1989	770.4	403.3	32.9
1,111.7	743.3	368.5	1990	757.3	405.9	32.1
			1990			
1,120.5	748.4	372.2	August	763.2	409.7	32.4
1,123.2	748.0	375.2	September	766.3	426.7	33.1
1,121.3	746.9	374.4	October	765.0	418.7	32.6
1,106.1	734.4	371.7	November	749.8	410.8	32.0
1,099.9	729.8	370.1	December	743.7	403.9	31.5
			1991			
1,085.6	718.1	367.5	January	731.1	394.6	30.7
1,070.9	706.7	364.2	February	717.4	377.1	29.6
1,069.9	706.3	363.6	March	716.7	383.1	29.7
1,074.8	710.8	364.0	April	721.5	385.9	29.9
1,080.2	714.6	365.5	May	727.7	395.4	30.3
1,090.6	721.8	368.8	June	736.6	413.6	31.3
1,078.5	713.8	364.7	July	725.2	402.4	30.6
1,086.4	716.2	370.2	August	733.6	407.1	31.0

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$347.94	$358.57	$339.99	1980	40.6	40.7	40.2	1980	$ 8.57	$ 8.81	$ 7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
535.94	556.38	492.74	1990	42.4	42.7	41.9	1990	12.64	13.03	11.76
			1990				1990			
536.78	555.93	493.92	August	42.4	42.6	42.0	August	12.66	13.05	11.76
556.85	581.16	504.38	September	43.2	43.5	42.6	September	12.89	13.36	11.84
547.41	571.43	496.78	October	42.6	42.9	42.1	October	12.85	13.32	11.80
547.84	568.43	503.37	November	42.7	42.9	42.3	November	12.83	13.25	11.90
543.13	562.22	501.06	December	42.3	42.4	42.0	December	12.84	13.26	11.93
			1991				1991			
539.70	559.99	497.90	January	42.0	42.2	41.7	January	12.85	13.27	11.94
525.71	541.86	492.79	February	41.2	41.3	41.1	February	12.76	13.12	11.99
534.52	551.20	498.08	March	41.5	41.6	41.3	March	12.88	13.25	12.06
534.89	552.78	497.25	April	41.4	41.5	41.3	April	12.92	13.32	12.04
543.35	561.79	503.40	May	41.7	41.8	41.5	May	13.03	13.44	12.13
561.43	584.99	510.25	June	42.5	42.7	42.1	June	13.21	13.70	12.12
554.93	576.13	510.25	July	42.2	42.3	42.1	July	13.15	13.62	12.12
554.98	575.19	508.87	August	42.3	42.2	42.3	August	13.12	13.63	12.03

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.9	102.4	135.6	1989	167.7	79.9	143.8	1989	62.9	73.8	95.5
45.6	100.1	131.0	1990	165.2	79.2	143.6	1990	61.9	75.2	94.0
			1990				1990			
46.3	100.5	131.8	August	165.0	79.0	146.8	August	62.7	75.8	94.9
46.1	101.9	132.6	September	164.5	78.8	145.2	September	65.3	75.9	95.4
46.0	101.2	131.6	October	163.7	78.6	147.0	October	64.3	75.9	95.4
45.4	[illegible]	130.0	November	162.7	77.8	140.6	November	62.6	76.2	94.2
43.8	99.7	129.6	December	163.5	77.3	137.8	December	62.6	76.4	92.6
			1991				1991			
42.7	99.2	126.8	January	163.1	76.2	134.3	January	62.5	75.7	91.9
42.5	95.5	122.9	February	161.2	76.1	133.2	February	62.1	75.6	89.5
42.6	96.8	123.4	March	160.5	75.8	131.3	March	62.5	75.6	88.6
43.6	96.1	123.8	April	158.0	75.9	137.2	April	62.6	75.8	89.1
44.1	96.1	124.5	May	158.1	76.3	138.8	May	63.4	76.0	89.4
44.5	96.7	125.0	June	157.6	76.7	143.8	June	64.1	76.4	90.6
44.4	95.5	124.2	July	156.3	76.6	139.7	July	63.9	75.9	88.2
44.6	97.0	124.2	August	155.8	76.6	140.4	August	66.6	75.9	90.3

Average Weekly Earnings of Production Workers

$315.43	$422.01	$349.34	1980	$352.77	$316.31	$414.83	1980	$329.85	$320.92	$323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
40[illegible]	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
41[illegible]	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	509.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
490.33	644.57	519.96	1990	543.46	464.12	721.92	1990	476.99	475.60	451.36
			1990				1990			
495.20	649.82	524.97	August	546.08	465.12	706.55	August	485.78	472.03	452.19
501.38	684.71	543.99	September	562.42	477.76	767.45	September	492.59	487.62	461.58
492.26	666.45	539.33	October	558.54	472.73	740.44	October	475.45	484.41	456.20
486.78	660.93	530.88	November	559.39	479.83	736.20	November	500.98	490.84	446.08
486.97	643.99	522.42	December	555.52	484.97	716.13	December	507.91	493.68	443.21
			1991				1991			
488.31	650.32	518.32	January	548.70	475.69	724.55	January	482.89	479.50	449.90
490.31	599.23	501.39	February	532.98	472.73	703.50	February	469.68	485.10	443.48
499.31	624.75	511.60	March	537.20	477.99	715.29	March	497.20	484.31	447.12
494.56	635.58	516.89	April	532.97	475.26	704.33	April	478.74	483.15	453.46
492.96	639.84	525.26	May	534.59	474.85	736.59	May	509.50	477.97	458.59
500.41	676.02	553.24	June	551.23	491.30	766.46	June	507.37	473.98	480.39
505.41	677.47	536.90	July	545.62	482.21	754.70	July	506.51	488.03	473.05
512.56	670.32	542.05	August	551.62	483.07	737.02	August	507.48	481.20	470.12

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	4938.9	4931.9	4916.5	7.0	22.4
Goods-Producing Industries	1324.2	1314.2	1356.3	10.0	-32.0
Mining	17.0	17.3	18.0	-.2	-.9
Coal Mining	6.5	6.6	6.9	.0	-.3
Oil and Gas Extraction	5.7	5.8	6.0	-.1	-.2
Construction	220.8	218.4	217.8	2.4	3.1
General Building Contractors	51.5	51.1	50.9	.4	.6
Nonresidential Building Construction	26.2	25.9	26.0	.3	.3
Heavy Construction, Except Building	29.7	29.0	28.7	.6	1.0
Highway and Street Construction	11.8	11.4	11.0	.3	.8
Special Trade Contractors	139.7	138.3	138.2	1.4	1.5
Manufacturing	1086.4	1078.5	1120.5	7.9	-34.2
Durable Goods[f]	716.2	713.8	748.4	2.4	-32.2
Lumber and Wood Products	21.7	21.5	21.9	.2	-.2
Millwork, Plywood and Structural Members	10.0	10.0	10.0	.0	.0
Furniture and Fixtures	15.2	15.1	15.1	.1	.1
Stone, Clay, and Glass Products	44.6	44.4	46.3	.2	-1.7
Primary Metal Industries	97.0	95.5	100.5	1.4	-3.5
Blast Furnace and Basic Steel Products	44.9	44.5	46.6	.4	-1.7
Iron and Steel Foundries	18.5	18.0	19.6	.4	-1.2
Nonferrous Rolling and Drawing	16.1	15.5	16.1	.6	.0
Nonferrous Foundries	10.1	10.1	10.6	.0	-.5
Fabricated Metal Products	124.2	124.2	131.8	.1	-7.6
Fabricated Structural Metal Products	27.4	27.2	29.7	.2	-2.3
Metal Forgings and Stampings	35.9	35.9	37.8	.0	-1.9
Industrial Machinery and Equipment	155.8	156.3	165.0	-.5	-9.2
Construction and Related Machinery	11.4	11.6	13.3	-.2	-1.9
Metalworking Machinery	45.8	46.2	48.4	-.4	-2.5
Special Industry Machinery	14.7	14.5	16.5	.2	-1.7
General Industrial Machinery	24.8	24.9	26.0	.0	-1.1
Computer and Office Equipment	10.6	10.8	11.3	-.2	-.7
Refrigeration and Service Machinery	15.1	15.2	15.3	-.1	-.2
Electronic and Other Electric Equipment	76.6	76.6	79.0	.0	-2.4
Electrical Industrial Apparatus	11.5	11.5	12.0	.0	-.6
Household Appliances	14.9	14.7	15.7	.2	-.9
Electric Lighting and Wiring Equipment	15.7	15.9	16.2	-.1	-.5
Electronic Components and Accessories	11.0	11.1	11.8	-.1	-.7
Transportation Equipment	140.4	139.7	146.8	.7	-6.4
Motor Vehicles and Equipment	98.7	97.6	100.8	1.1	-2.1
Aircraft and Parts	34.6	35.1	37.6	-.5	-3.0
Instruments and Related Products	25.7	25.6	26.2	.1	-.5
Measuring and Controlling Devices	14.6	14.6	15.5	.0	-.9
Nondurable Goods[g]	370.2	364.7	372.2	5.5	-2.0
Food and Kindred Products	66.6	63.9	62.7	2.6	3.9
Dairy Products	10.7	10.7	10.1	-.1	.6
Preserved Fruits and Vegetables	12.8	10.5	10.9	2.3	1.9
Bakery Products	9.8	9.7	9.6	.1	.2
Apparel and Other Textile Products	14.7	14.1	14.8	.6	-.1
Paper and Allied Products	37.6	37.4	37.8	.2	-.2
Paperboard Containers and Boxes	13.9	13.6	13.5	.3	.4
Miscellaneous Converted Paper Products	11.8	11.9	12.1	-.1	-.4
Printing and Publishing	75.9	75.9	75.8	.1	.1
Newspapers	18.5	18.6	19.1	-.1	-.5
Commercial Printing	28.4	28.3	27.8	.2	.6
Chemicals and Allied Products	66.3	66.6	66.8	-.3	-.5
Plastics Materials and Synthetics	9.5	9.7	9.8	-.2	-.3
Rubber and Miscellaneous Plastics Products	90.3	88.2	94.9	2.1	-4.6
Tires and Inner Tubes	14.5	14.2	14.7	.3	-.2
Miscellaneous Plastics Products	56.8	55.4	58.1	1.4	-1.3
Service-Producing Industries	3614.6	3617.7	3560.3	-3.0	54.4
Transportation and Public Utilities	223.6	223.1	221.4	.5	2.2
Transportation	131.7	131.1	129.2	.6	2.5
Railroad Transportation	11.4	11.4	12.4	.0	-.9
Trucking and Warehousing	77.3	77.1	76.8	.2	.5
Transportation by Air	16.1	15.9	14.5	.2	1.6
Communications, Electric, Gas Services	91.9	92.0	92.2	-.1	-.3
Communications	47.9	47.9	48.2	-.1	-.4
Electric, Gas, and Sanitary Services	44.1	44.1	44.0	.0	.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Wholesale Trade	268.6	268.8	265.2	-.2	3.4
Wholesale Trade-Durable Goods	166.3	166.5	165.5	-.2	.8
Motor Vehicles, Parts, and Supplies	22.1	22.1	22.2	.0	-.2
Professional and Commercial Equipment	32.6	32.5	32.4	.0	.2
Metals and Minerals, Except Petroleum	10.9	10.9	11.2	.0	-.3
Electrical Goods	17.3	17.4	17.6	-.2	-.3
Hardware, Plumbing and Heating Equipment	12.6	12.6	12.5	.0	.1
Machinery, Equipment, and Supplies	41.6	41.7	41.0	-.1	.6
Wholesale Trade-Nondurable Goods	102.3	102.3	99.7	.0	2.5
Groceries and Related Products	35.2	35.1	33.9	.1	1.3
Retail Trade	922.8	918.4	922.2	4.5	.6
Building Materials and Garden Supplies	34.9	35.3	35.8	-.4	-.9
Lumber and Other Building Materials	18.0	18.1	18.5	-.1	-.5
General Merchandise Stores	120.4	119.6	124.3	.8	-3.9
Department Stores	100.3	99.7	103.8	.6	-3.4
Variety Stores	9.8	9.7	10.3	.1	-.5
Food Stores	141.1	141.4	141.6	-.3	-.5
Grocery Stores	125.3	125.6	125.5	-.4	-.2
Automotive Dealers and Service Stations	99.4	99.0	100.7	.4	-1.3
New and Used Car Dealers	41.4	41.3	42.5	.2	-1.1
Gasoline Service Stations	35.9	35.7	36.2	.2	-.3
Apparel and Accessory Stores	51.0	49.7	49.4	1.3	1.6
Furniture and Homefurnishings Stores	31.4	31.3	31.1	.1	.3
Eating and Drinking Places	325.0	323.4	323.1	1.6	1.9
Miscellaneous Retail	119.6	118.6	116.2	1.0	3.3
Drug Stores and Proprietary Stores	31.5	31.3	30.6	.2	.9
Nonstore Retailers	23.5	23.3	22.8	.2	.7
Finance, Insurance, and Real Estate	260.1	260.1	258.4	-.1	1.6
Finance	122.1	122.0	122.1	.0	.0
Depository Institutions	90.1	90.2	90.8	-.1	-.7
Commercial Banks	65.1	65.0	64.7	.1	.3
Insurance	91.7	91.9	90.9	-.2	.8
Insurance Carriers	69.5	69.8	69.2	-.3	.3
Life Insurance	25.2	25.3	25.2	-.1	-.1
Fire, Marine, and Casualty Insurance	31.3	31.3	31.2	.1	.2
Real Estate	46.3	46.2	45.5	.1	.8
Services	1262.9	1259.9	1220.4	3.1	42.5
Hotels and Other Lodging Places	43.9	43.6	42.2	.3	1.7
Personal Services	55.0	54.8	53.6	.2	1.4
Business Services	236.5	234.5	225.5	2.0	11.0
Services to Buildings	35.5	35.4	34.8	.1	.8
Personnel Supply Services	84.0	82.1	80.3	1.9	3.6
Computer and Data Processing Services	30.1	30.0	28.3	.0	1.8
Amusements, Including Motion Pictures	77.5	78.3	76.2	-.8	1.3
Health Services	415.4	413.7	400.9	1.7	14.5
Nursing and Personal Care Facilities	89.4	88.7	86.7	.7	2.7
Hospitals	197.4	197.0	192.1	.4	5.3
Legal Services	30.7	30.8	29.7	-.1	.9
Educational Services	51.9	52.6	50.4	-.7	1.5
Colleges and Universities	27.2	27.5	26.1	-.3	1.1
Social Services	83.9	83.7	79.6	.1	4.2
Residential Care	25.3	25.2	24.0	.1	1.3
Membership Organizations	80.5	79.9	80.3	.6	.1
Engineering and Management Services	95.4	95.0	92.4	.4	3.0
Engineering and Architectural Services	30.5	30.4	29.0	.1	1.5
Accounting, Auditing, and Bookkeeping	21.8	21.7	21.1	.1	.8
Research and Testing Services	20.0	19.9	19.9	.1	.1
Management and Public Relations	23.1	23.0	22.4	.1	.7
Government	676.6	687.5	672.5	-10.8	4.1
Federal Government	94.6	94.7	96.7	-.1	-2.1
U.S. Postal Service	33.0	33.0	33.7	-.1	-.8
State Government	145.9	145.9	144.1	-.1	1.7
State Government Hospitals	15.3	15.1	15.8	.3	-.5
State Government Education[h]	66.7	67.3	64.3	-.6	2.4
Local Government	436.2	446.8	431.7	-10.6	4.5
Local Government Hospitals	14.8	14.8	14.3	.0	.5
Local Government Education	230.5	236.4	227.5	-5.9	3.1

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Goods-Producing Industries	$570.57	$567.84	$556.14	41.8	41.6	42.1	$13.65	$13.65	$13.21
Mining	605.44	600.37	624.06	44.0	43.6	44.8	13.76	13.77	13.93
Coal Mining	716.54	717.82	727.18	42.1	42.2	42.7	17.02	17.01	17.03
Construction	640.33	621.46	639.94	39.6	38.6	40.4	16.17	16.10	15.84
General Building Contractors	559.63	547.22	550.00	39.3	38.7	40.0	14.24	14.14	13.75
Heavy Construction, Except Building	743.04	689.63	716.53	43.2	40.4	43.4	17.20	17.07	16.51
Special Trade Contractors	639.81	627.89	650.77	38.8	38.1	39.9	16.49	16.48	16.31
Manufacturing	554.98	554.93	536.78	42.3	42.2	42.4	13.12	13.15	12.66
Durable Goods[f]	575.19	576.13	555.93	42.2	42.3	42.6	13.63	13.62	13.05
Lumber and Wood Products	338.70	340.17	318.27	39.8	40.4	39.1	8.51	8.42	8.14
Millwork, Plywood and Structural Members	411.94	403.26	369.56	43.0	42.9	41.9	9.58	9.40	8.82
Furniture and Fixtures	410.31	400.26	411.08	42.3	42.0	43.0	9.70	9.53	9.56
Stone, Clay, and Glass Products	512.56	505.41	495.20	43.0	42.4	42.8	11.92	11.92	11.57
Primary Metal Industries	670.32	677.47	649.82	44.1	44.6	44.6	15.20	15.19	14.57
Blast Furnace and Basic Steel Products	706.10	712.70	673.90	46.0	46.4	46.0	15.35	15.36	14.65
Iron and Steel Foundries	693.30	706.35	676.06	42.3	42.5	43.9	16.39	16.62	15.40
Nonferrous Rolling and Drawing	698.90	665.47	679.39	40.8	39.4	41.2	17.13	16.89	16.49
Nonferrous Foundries	478.29	502.98	474.90	44.7	46.4	44.3	10.70	10.84	10.72
Fabricated Metal Products	542.05	536.90	524.97	41.6	41.3	42.2	13.03	13.00	12.44
Fabricated Structural Metal Products	485.60	474.13	488.05	42.3	41.7	43.0	11.48	11.37	11.35
Metal Forgings and Stampings	674.75	675.12	655.12	41.6	41.7	43.1	16.22	16.19	15.20
Industrial Machinery and Equipment	551.62	545.62	546.08	42.4	42.1	43.1	13.01	12.96	12.67
Construction and Related Machinery	457.73	462.15	445.22	38.4	39.0	39.4	11.92	11.85	11.30
Metalworking Machinery	514.53	506.69	526.48	41.9	41.6	43.8	12.28	12.18	12.02
Special Industry Machinery	495.97	505.31	520.90	41.4	41.9	43.7	11.98	12.06	11.92
General Industrial Machinery	629.64	629.28	623.89	44.0	43.7	44.5	14.31	14.40	14.02
Computer and Office Equipment	539.95	518.18	479.76	43.3	42.3	41.9	12.47	12.25	11.45
Refrigeration and Service Machinery	627.37	587.97	592.04	43.0	41.7	41.0	14.59	14.10	14.44
Electronic and Other Electric Equipment	483.07	482.21	465.12	40.8	40.9	40.8	11.84	11.79	11.40
Electrical Industrial Apparatus	460.20	469.14	450.78	41.2	42.0	41.7	11.17	11.17	10.81
Household Appliances	476.24	481.93	486.40	39.1	39.6	40.0	12.18	12.17	12.16
Electric Lighting and Wiring Equipment	518.88	521.89	499.75	39.7	39.9	40.4	13.07	13.08	12.37
Electronic Components and Accessories	361.54	353.58	330.48	41.7	41.5	40.5	8.67	8.52	8.16
Transportation Equipment	737.02	754.70	706.55	42.8	43.7	43.4	17.22	17.27	16.28
Motor Vehicles and Equipment	754.51	773.90	726.52	42.7	43.6	43.4	17.67	17.75	16.74
Aircraft and Parts	695.27	710.53	669.48	43.7	44.8	43.9	15.91	15.86	15.25
Instruments and Related Products	398.33	389.71	396.00	39.4	38.7	40.0	10.11	10.07	9.90
Measuring and Controlling Devices	400.53	390.64	377.26	39.0	38.0	38.3	10.27	10.28	9.85
Nondurable Goods[g]	508.87	510.25	493.92	42.3	42.1	42.0	12.03	12.12	11.76
Food and Kindred Products	507.48	506.51	485.78	43.3	42.6	42.5	11.72	11.89	11.43
Dairy Products	494.28	491.42	485.90	42.5	42.4	43.0	11.63	11.59	11.30
Preserved Fruits and Vegetables	539.55	541.44	535.68	45.0	42.3	43.2	11.99	12.80	12.40
Bakery Products	492.09	494.91	497.73	38.9	39.0	40.4	12.65	12.69	12.32
Apparel and Other Textile Products	320.74	298.72	308.07	40.6	38.2	39.7	7.90	7.82	7.76
Paper and Allied Products	541.45	541.79	522.14	44.2	44.3	44.4	12.25	12.23	11.76
Paperboard Containers and Boxes	483.99	478.24	464.98	44.2	44.2	44.2	10.95	10.82	10.52
Miscellaneous Converted Paper Products	493.91	496.35	489.95	42.8	42.9	44.1	11.54	11.57	11.11
Printing and Publishing	481.20	488.03	472.03	40.1	40.3	39.8	12.00	12.11	11.86
Newspapers	389.87	381.42	377.42	32.9	32.6	33.4	11.85	11.70	11.30
Commercial Printing	488.14	499.65	475.86	42.3	42.2	41.2	11.54	11.84	11.55
Chemicals and Allied Products	605.23	610.31	612.58	43.2	43.5	43.2	14.01	14.03	14.18
Plastics Materials and Synthetics	692.09	700.21	675.12	43.5	43.9	43.5	15.91	15.95	15.52
Rubber and Miscellaneous Plastics Products	470.12	473.05	452.19	41.9	41.9	41.6	11.22	11.29	10.87
Tires and Inner Tubes	752.58	705.11	712.36	44.4	42.4	44.0	16.95	16.63	16.19
Miscellaneous Plastics Products	456.71	463.41	436.13	41.9	41.9	41.3	10.90	11.06	10.56
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	661.95	661.15	620.26	42.9	43.1	41.6	15.43	15.34	14.91
Communications	650.59	649.20	572.57	43.2	43.6	39.9	15.06	14.89	14.35
Electric, Gas, and Sanitary Services	674.48	676.49	674.25	42.5	42.6	43.5	15.87	15.88	15.50
Wholesale Trade	430.10	428.22	419.15	39.1	39.0	39.1	11.00	10.98	10.72
Wholesale Trade-Durable Goods	428.67	424.24	416.58	39.4	39.1	39.3	10.88	10.85	10.60
Motor Vehicles, Parts, and Supplies	366.37	360.52	345.77	39.1	38.6	37.3	9.37	9.34	9.27
Metals and Minerals, Except Petroleum	515.66	495.23	474.03	43.7	42.4	42.4	11.80	11.68	11.18
Wholesale Trade-Nondurable Goods	430.82	434.17	424.38	38.5	38.8	38.8	11.19	11.19	10.93

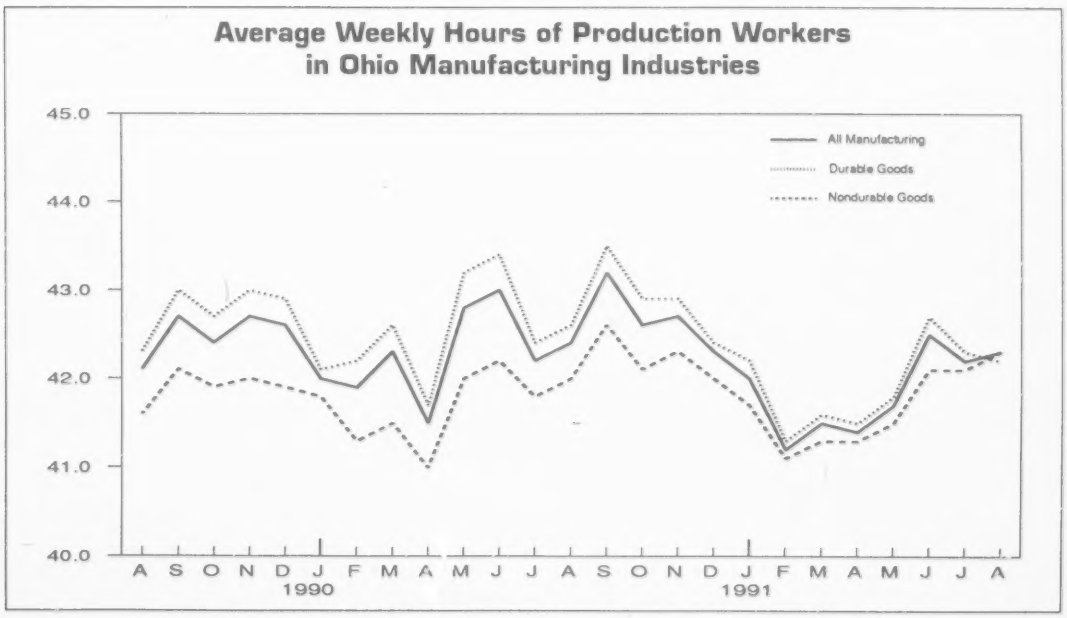
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

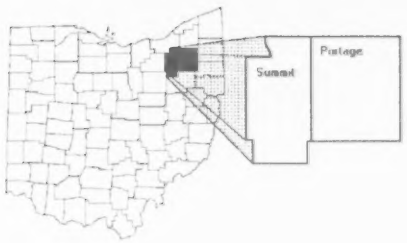
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Retail Trade[i]	$185.92	$189.81	$180.20	28.0	28.5	28.2	$ 6.64	$ 6.66	$ 6.39
General Merchandise Stores	204.34	212.59	194.87	28.7	29.9	28.7	7.12	7.11	6.79
Department Stores	211.27	219.98	198.72	29.1	30.3	28.8	7.26	7.26	6.90
Finance, Insurance, and Real Estate	364.93	364.74	350.07	....	....	....	.....	.....	.....
Finance	340.14	340.88	323.64	....	....	....	.....	.....	.....
Depository Institutions	283.09	285.39	275.87	....	....	....	.....	.....	.....
Commercial Banks	272.86	273.24	270.67	....	....	....	.....	.....	.....
Insurance	434.16	434.91	417.21	....	....	....	.....	.....	.....
Insurance Carriers	426.12	424.83	404.00	....	....	....	.....	.....	.....
Life Insurance	400.30	399.80	374.96	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	465.41	462.73	437.14	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	262.73	260.90	251.13	32.8	32.9	33.0	8.01	7.93	7.61
Health Services	329.18	329.49	317.05	31.5	31.5	31.8	10.45	10.46	9.97
Nursing and Personal Care Facilities	226.49	230.48	213.41	31.9	32.1	31.9	7.10	7.18	6.69
Hospitals	383.72	383.82	372.94	32.3	32.2	32.6	11.88	11.92	11.44
Engineering and Management Services	524.89	518.36	482.20	36.1	35.7	35.3	14.54	14.52	13.66
Engineering and Architectural Services	719.29	713.78	662.83	34.9	34.7	32.7	20.61	20.57	20.27
Research and Testing Services	426.34	418.66	402.84	36.1	35.3	37.3	11.81	11.86	10.80

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [l]Money payments only; tips not included. [l]Depressed due to labor-management disputes.



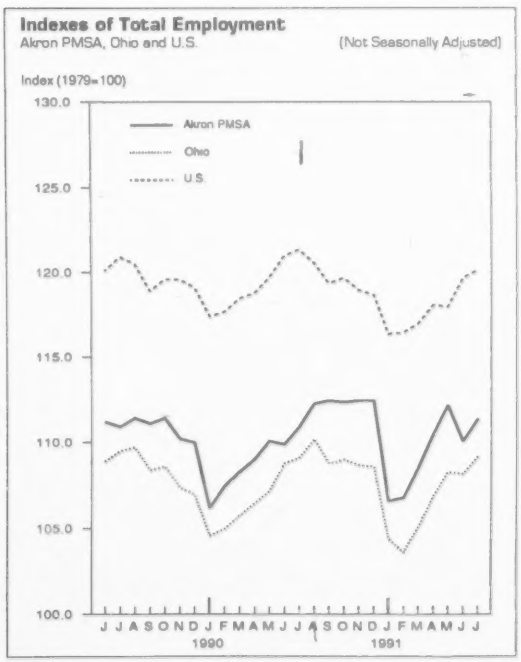
Akron
Primary Metropolitan Statistical Area

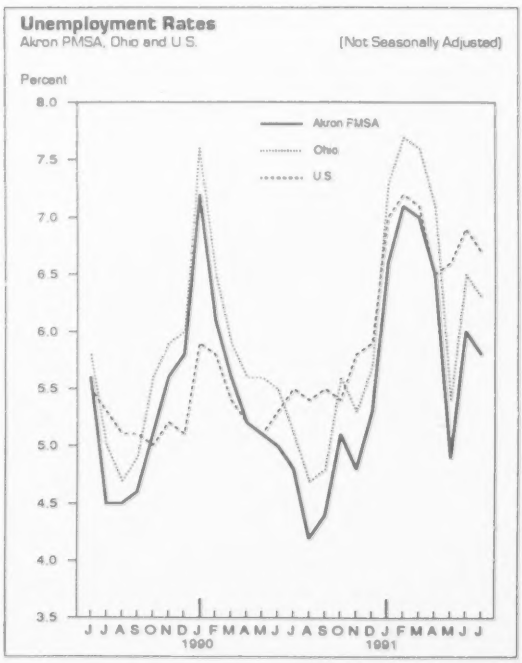


Nonagricultural payroll employment in the Akron metropolitan area increased 700 above the July level to 287,200 in August 1991. The partial return of nonteaching personnel in state schools and colleges added 400 jobs in the service-producing sector. Nominal gains in construction and manufacturing raised employment in goods-producing industries 300 over the month to 78,200. Factory production workers averaged $12.11 per hour, down 6 cents from July. Their average workweek was unchanged at 42.5 hours.

Nonfarm wage and salary employment advanced 2,000 between August 1990 and August 1991. Employment in service-producing industries rose 3,100 due to expansion in services, especially health services. Modest declines were posted in retail trade and wholesale trade. Over-the-year reductions in manufacturing lowered the workforce in goods-producing industries 1,100. Cutbacks in industrial machinery and equipment, fabricated metal products, and rubber and miscellaneous plastics products outweighed an improvement in food and kindred products.

Seasonally adjusted employment in the Akron area totaled 289,000 in August 1991, up 1,000 from July, due to scattered gains in service-producing industries. Since August 1990, nonfarm payroll employment advanced 2,000. Growth in services more than offset a decrease in manufacturing.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	$361.88	41.5	$ 8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
331.6	313.7	17.8	5.4	1989	281.0	67.3	39.3	495.75	42.7	11.61
332.3	314.9	17.3	5.2	1990	285.9	67.0	38.2	510.60	42.8	11.93
				1990						
334.4	320.5	13.9	4.2	August	285.2	67.0	38.1	529.40	43.5	12.17
335.8	321.1	14.7	4.4	September	292.1	67.7	38.7	529.91	43.4	12.21
337.9	320.8	17.1	5.1	October	291.7	68.3	39.3	519.16	42.8	12.13
337.5	321.2	16.3	4.8	November	292.3	68.0	39.1	515.81	43.2	11.94
339.2	321.1	18.1	5.3	December	292.0	68.0	39.1	515.66	42.9	12.02
				1991						
326.0	304.3	21.6	6.6	January	279.7	67.3	38.6	507.03	42.5	11.93
328.0	304.7	23.3	7.1	February	282.0	65.6	36.8	484.38	41.4	11.70
333.1	309.7	23.4	7.0	March	285.0	66.3	37.6	489.70	41.5	11.80
337.4	315.3	22.1	6.5	April	288.1	66.2	37.4	493.44	41.5	11.89
337.0	320.3	16.7	4.9	May	292.2	66.5	37.9	504.78	42.1	11.99
334.4	314.2	20.2	6.0	June	286.8	66.7	38.1	517.52	42.7	12.12
337.5	317.9	19.6	5.8	July	286.5	66.0	37.5	517.23	42.5	12.17
INA	INA	INA	INA	August	287.2	66.1	37.6	514.68	42.5	12.11

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
281	78	10	67	1989	203	13	15	55	10	66	44
286	78	11	67	1990	208	14	15	54	11	69	45
				1990							
287	78	10	67	August	209	14	15	54	11	70	45
287	78	10	67	September	209	14	15	54	11	70	45
287	79	10	68	October	209	14	15	54	11	70	45
288	79	10	68	November	210	14	15	54	11	71	45
289	79	11	68	December	210	14	15	55	11	71	45
				1991							
289	79	10	68	January	209	14	15	54	11	71	45
287	77	10	66	February	210	14	15	54	11	71	45
288	78	10	67	March	210	14	15	54	11	71	45
288	77	10	66	April	211	14	15	54	11	72	45
289	77	10	66	May	211	14	15	54	11	72	46
287	77	10	66	June	209	14	15	54	11	73	43
288	77	10	66	July	211	14	15	54	11	73	45
289	77	10	66	August	212	14	15	54	11	73	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	287.2	286.5	285.2	.7	2.0
Goods-Producing Industries[e]	78.2	77.9	79.2	.3	-1.1
Construction	11.5	11.4	11.5	.1	.0
Manufacturing	66.1	66.0	67.0	.1	-1.0
Durable Goods[f]	33.2	33.2	34.6	.0	-1.4
Fabricated Metal Products	10.1	10.0	10.7	.1	-.5
Fabricated Structural Metal Products	4.2	4.2	4.7	.0	-.5
Industrial Machinery and Equipment	8.9	9.0	10.1	-.1	-1.2
Metalworking Machinery	4.1	4.1	4.0	-.1	.0
Electronic and Other Electric Equipment	2.5	2.5	2.5	.0	.0
Transportation Equipment	4.8	4.8	4.8	.0	-.1
Nondurable Goods[g]	32.9	32.8	32.5	.1	.4
Food and Kindred Products	3.5	3.5	3.2	.0	.3
Chemicals and Allied Products	3.6	3.6	3.5	.0	.1
Rubber and Miscellaneous Plastics Products	19.1	19.1	19.4	.0	-.3
Tires and Inner Tubes	10.1	10.1	10.3	-.1	-.2
Service-Producing Industries	209.0	208.6	205.9	.4	3.1
Transportation and Public Utilities	14.0	13.9	14.0	.1	.0
Communications, Electric, Gas Services	5.5	5.5	5.5	.0	.0
Wholesale Trade	14.8	14.8	15.0	-.1	-.3
Retail Trade	54.1	54.2	54.5	.0	-.4
General Merchandise Stores	5.5	5.6	6.3	-.1	-.8
Food Stores	9.0	9.0	9.0	.0	.0
Finance, Insurance, and Real Estate	11.0	10.9	11.0	.1	.0
Finance	5.4	5.4	5.4	.0	.0
Services	75.5	75.6	71.8	-.1	3.8
Business Services	12.6	12.6	11.9	.0	.7
Personnel Supply Services	3.6	3.6	3.4	.1	.2
Amusements, Including Motion Pictures	7.7	8.0	7.3	-.2	.4
Health Services	23.9	23.8	22.7	.1	1.3
Nursing and Personal Care Facilities	4.1	4.0	3.7	.1	.3
Hospitals	11.8	11.8	11.3	.0	.5
Social Services	5.6	5.6	5.2	.0	.4
Engineering and Management Services	5.6	5.5	5.1	.1	.5
Government	39.6	39.2	39.7	.4	.0
Federal Government	2.5	2.5	2.6	.0	-.1
State Government	11.9	11.4	12.1	.5	-.2
State Government Education[h]	9.0	8.5	9.1	.6	-.1
Local Government	25.2	25.3	25.0	-.1	.2
Local Government Education	12.3	12.3	12.3	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

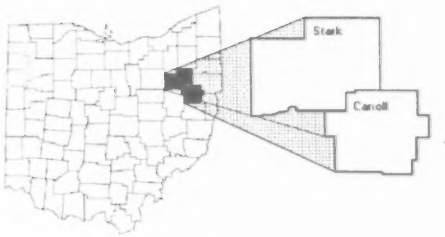
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$514.68	$517.23	$529.40	42.5	42.5	43.5	$12.11	$12.17	$12.17
Durable Goods[f]	517.28	513.95	547.28	42.4	42.3	44.1	12.20	12.15	12.41
Fabricated Metal Products	626.65	623.73	701.66	41.2	40.9	45.8	15.21	15.25	15.32
Fabricated Structural Metal Products	498.84	484.90	549.77	40.1	39.2	45.7	12.44	12.37	12.03
Industrial Machinery and Equipment	492.59	505.05	492.38	44.7	45.5	44.6	11.02	11.10	11.04
Metalworking Machinery	526.44	538.49	533.57	44.5	45.1	45.8	11.83	11.94	11.65
Electronic and Other Electric Equipment	429.68	448.38	437.02	41.0	42.3	41.9	10.48	10.60	10.43
Transportation Equipment	624.14	616.35	614.80	42.2	41.9	42.4	14.79	14.71	14.50
Nondurable Goods[g]	512.40	520.51	505.14	42.7	42.7	42.7	12.00	12.19	11.83
Food and Kindred Products	360.69	366.66	392.24	37.3	37.3	39.7	9.67	9.83	9.88
Chemicals and Allied Products	544.74	575.05	562.72	42.0	43.4	44.1	12.97	13.25	12.76
Rubber and Miscellaneous Plastics Products	536.47	540.7[r]	523.03	44.3	44.0	44.1	12.11	12.29	11.86
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	657.28	651.02	589.11	43.1	43.2	40.6	15.25	15.07	14.51
Wholesale Trade	390.26	378.75	365.27	38.0	37.5	36.6	10.27	10.10	9.98
Retail Trade[i]	226.41	227.65	222.17	31.1	31.4	30.9	7.28	7.25	7.19
General Merchandise Stores	192.09	199.73	201.60	28.5	29.2	30.0	6.74	6.84	6.72
Food Stores	328.52	337.43	314.16	38.2	39.1	37.4	8.60	8.63	8.40
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	303.79	306.19	283.78	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [r]Depressed due to labor-management disputes.

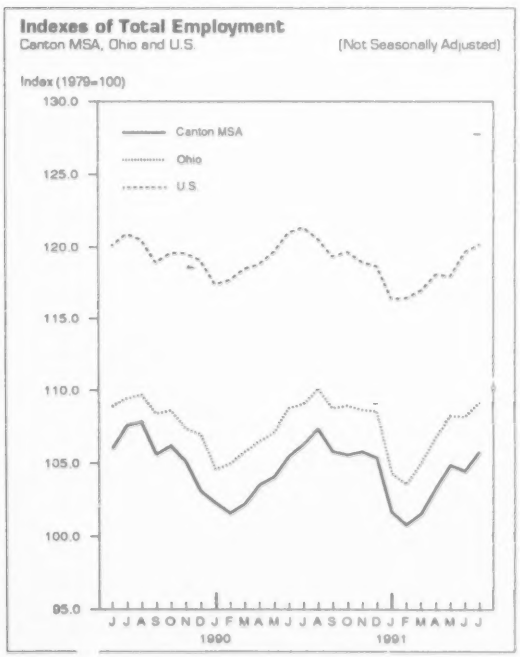
Canton Metropolitan Statistical Area

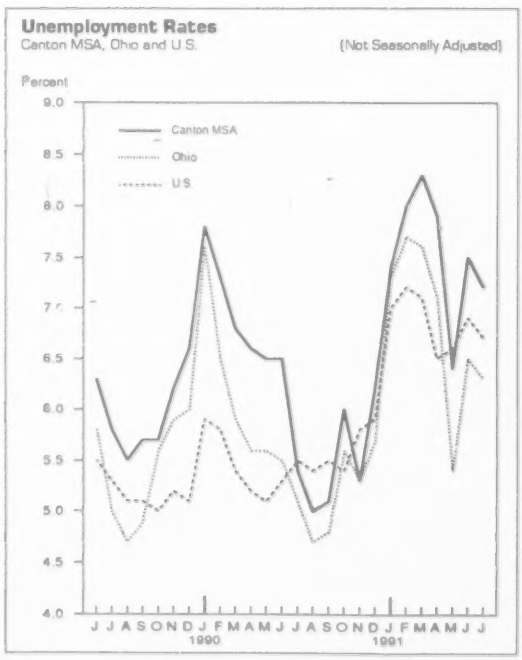


Nonfarm wage and salary employment in the Canton metropolitan area totaled 167,000 in August 1991, unchanged from July. Scattered gains among manufacturers of durable and nondurable goods raised employment in goods-producing industries 100 over the month to 52,200. The number of jobs in service-producing industries decreased 100. Lowered employment in local government, finance, insurance, and real estate, and services negated nominal increases in retail trade. Manufacturing production workers averaged $11.35 per hour, up 15 cents from July. Their average workweek of 41.9 hours was 0.9 hours longer.

Nonagricultural payroll employment declined 500 between August 1990 and August 1991. Significant cutbacks in manufacturing, particularly rubber and miscellaneous plastics products (-1,100), reduced employment in goods-producing industries 1,900. Modest declines were posted in fabricated metal products and electronic and other electric equipment. Expansion in services added 1,400 jobs in the service-producing sector.

Seasonally adjusted employment in the Canton area was little changed from July at 166,000 in August 1991. Since August 1990, nonfarm payroll employment dropped 1,000. Reductions in manufacturing and government negated growth in services and construction.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	$342.81	39.0	$ 8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.3	182.5	11.8	6.1	1989	164.5	45.7	32.6	466.91	41.8	11.17
193.8	181.8	12.0	6.2	1990	166.0	44.8	31.3	481.37	42.3	11.38
				1990						
196.4	186.5	9.9	5.0	August	167.4	45.1	31.4	484.08	42.5	11.39
193.6	183.8	9.8	5.1	September	168.2	45.5	32.0	491.63	42.9	11.46
195.0	183.4	11.6	6.0	October	167.9	44.8	31.4	485.60	42.3	11.48
194.1	183.8	10.3	5.3	November	168.2	44.9	31.4	484.34	42.3	11.45
195.3	183.1	12.2	6.2	December	167.5	44.4	31.0	473.30	41.7	11.35
				1991						
190.8	176.6	14.1	7.4	January	163.8	44.2	30.7	473.05	41.9	11.29
190.3	175.1	15.2	8.0	February	162.7	43.5	30.1	466.46	41.5	11.24
192.5	176.5	16.0	8.3	March	163.2	43.2	29.9	470.25	41.8	11.25
194.9	179.5	15.4	7.9	April	164.9	43.1	29.7	466.46	41.5	11.24
194.5	182.2	12.4	6.4	May	167.1	43.6	30.1	463.71	41.0	11.31
196.3	181.6	14.6	7.5	June	167.5	43.6	30.1	472.69	41.5	11.39
198.0	183.7	14.3	7.2	July	166.9	42.9	29.6	459.20	41.0	11.20
INA	INA	INA	INA	August	167.0	43.1	29.7	475.57	41.9	11.35

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	54	7	46	1989	111	6	9	33	7	38	19
166	53	8	45	1990	113	6	9	33	7	40	19
				1990							
167	53	7	45	August	114	6	9	33	7	40	20
167	53	7	45	September	113	6	9	33	7	40	20
166	53	7	45	October	113	6	9	33	7	40	19
166	53	7	45	November	113	6	9	32	7	40	19
166	53	7	44	December	114	6	9	32	7	41	19
				1991							
167	53	8	45	January	114	6	9	33	7	40	20
167	52	8	44	February	114	6	9	33	7	41	20
166	52	8	44	March	114	6	9	33	7	41	19
166	52	8	43	April	114	6	9	32	7	41	19
166	52	8	44	May	114	6	9	32	7	41	19
166	52	8	43	June	114	6	9	33	7	41	19
166	51	8	43	July	115	6	9	33	7	42	19
166	51	8	43	August	115	6	9	33	7	42	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug 1991[b]	Jul 1991[c]	Aug 1990[c]	From Last Month	From Last Year
Total	167.0	166.9	167.4	0	-.5
Goods-Producing Industries[e]	52.2	52.1	54.1	.1	-1.9
Construction	8.4	8.4	8.3	0	.1
Manufacturing	43.1	42.9	45.1	.1	-2.0
Durable Goods[f]	32.9	32.8	33.7	.1	-.8
Primary Metal Industries	11.7	11.7	11.8	0	-.1
Fabricated Metal Products	5.3	5.3	5.7	0	-.4
Electronic and Other Electric Equipment	3.8	3.9	4.1	0	-.2
Nondurable Goods[g]	10.2	10.1	11.4	.1	-1.1
Food and Kindred Products	3.1	3.1	3.1	0	.1
Rubber and Miscellaneous Plastics Products	1.7	1.7	2.8	0	-1.1
Service-Producing Industries	114.7	114.8	113.3	-.1	1.4
Transportation and Public Utilities	5.8	5.8	5.7	0	.1
Communications, Electric, Gas Services	2.8	2.8	2.8	0	.0
Wholesale Trade	9.0	9.1	9.0	0	.0
Retail Trade	33.2	32.7	33.0	.4	.2
General Merchandise Stores	3.6	3.6	3.8	0	-.2
Food Stores	5.7	5.5	5.6	.1	.0
Finance, Insurance, and Real Estate	6.6	6.8	6.9	-.1	-.2
Finance	3.8	3.9	4.0	-.1	-.2
Services	41.8	41.9	40.2	-.1	1.6
Health Services	16.6	16.6	16.1	.0	.5
Nursing and Personal Care Facilities	3.9	3.9	3.9	.0	.0
Hospitals	7.7	7.7	7.5	.0	.2
Government	18.2	18.5	18.5	-.3	-.3
Federal Government	1.5	1.5	1.5	0	-.1
State Government (Includes Education)	1.6	1.6	1.7	.0	-.1
Local Government	15.1	15.4	15.3	-.3	-.1
Local Government Education	8.5	8.5	8.5	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

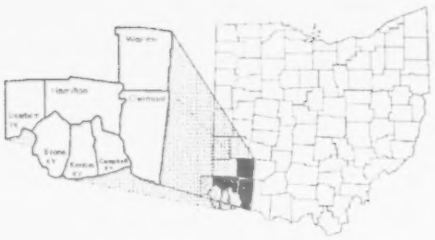
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$475.57	$459.20	$484.08	41.9	41.0	42.5	$11.35	$11.20	$11.39
Durable Goods[f]	491.18	472.58	501.98	42.6	41.6	43.2	11.53	11.36	11.62
Primary Metal Industries	520.47	521.22	558.30	43.3	43.8	45.8	12.02	11.90	12.19
Fabricated Metal Products	461.30	441.14	441.69	40.5	39.6	40.3	11.39	11.14	10.96
Electronic and Other Electric Equipment	580.65	568.58	548.26	40.1	39.9	39.5	14.48	14.25	13.88
Nondurable Goods[g]	424.91	411.28	431.98	39.6	38.8	40.6	10.73	10.60	10.64
Food and Kindred Products	424.08	423.06	459.20	38.8	38.6	41.0	10.93	10.96	11.20
Rubber and Miscellaneous Plastics Products	383.76	383.64	385.31	41.0	40.9	39.6	9.36	9.38	9.73
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	664.42	642.00	587.82	43.2	42.8	40.4	15.38	15.00	14.55
Wholesale Trade	396.98	386.28	388.16	39.5	38.9	38.7	10.05	9.93	10.03
Retail Trade[i]	179.20	182.09	175.69	27.4	27.8	28.2	6.54	6.55	6.23
General Merchandise Stores	199.04	208.49	196.04	29.1	29.7	29.0	6.84	7.02	6.76
Food Stores	177.03	185.71	164.67	28.1	29.2	28.1	6.30	6.36	5.86
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	203.38	208.08	188.63	30.4	30.6	29.8	6.69	6.80	6.33

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

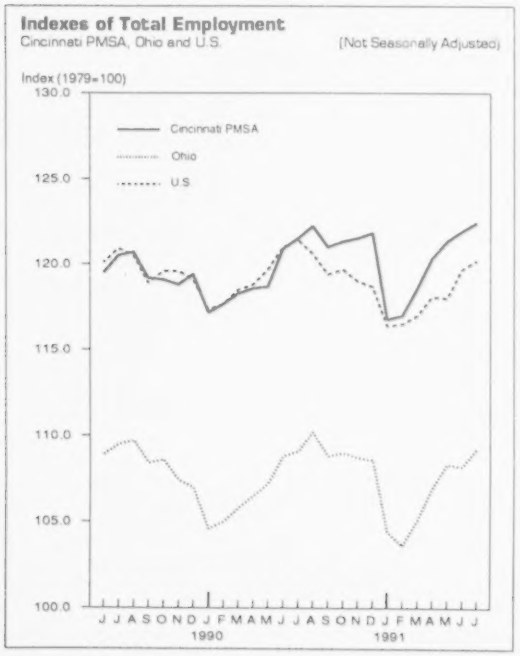
Cincinnati Primary Metropolitan Statistical Area

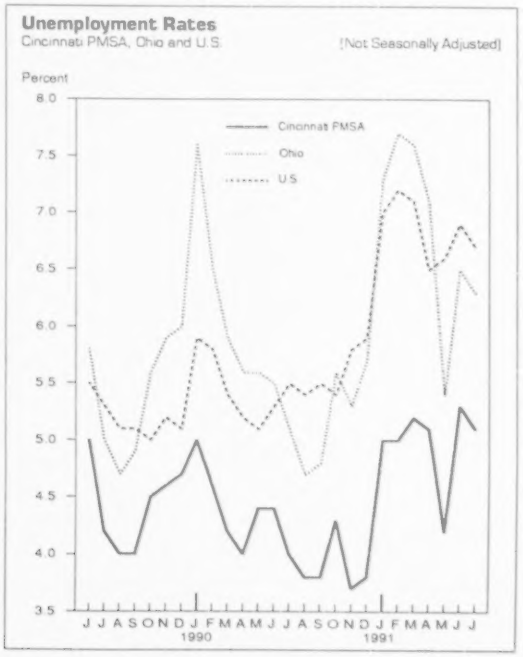


In the Cincinnati metropolitan area, nonfarm payroll employment rose 900 above the July level to 760,400 in August 1991. Employment in service-producing industries increased 800. More business in retail trade, services, especially business services, and wholesale trade outweighed declines in local government. The number of jobs in goods-producing industries totaled 181,200, up 100 over the month. Improvements in construction more than offset cutbacks in manufacturing. Reductions in transportation equipment and chemicals and allied products overshadowed a seasonal gain in food and kindred products. Factory production workers averaged $12.75 per hour, down fractionally from July. Their average workweek was unchanged at 43.1 hours.

Nonagricultural wage and salary employment advanced 12,100 between August 1990 and August 1991. Expansion in service-producing industries created 15,900 jobs. The primary growth industry was services, with notable gains in business services, health services, and engineering and management services. Moderate improvements occurred in retail trade, state and local schools, transportation and public utilities, and wholesale trade. The workforce in goods-producing industries dropped 3,800 from the year-ago level. Reductions in durable-goods manufacturing, particularly transportation equipment, electronic and other electric equipment, industrial machinery and equipment, and fabricated metal products negated scattered increases in nondurable-goods manufacturing. Gains were posted in chemicals and allied products, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area was on par with July at 758,000 in August 1991. Increases in wholesale trade and services counterbalanced a decrease in manufacturing. Since August 1990, nonfarm payroll employment advanced 12,000. Leading growth sectors were services (+9,000) and government (+3,000). Employment in manufacturing declined 4,000 during the period.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	$332.07	41.2	$ 8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	97.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
778.4	743.5	34.8	4.5	1989	724.5	146.2	92.3	497.64	42.9	11.60
786.9	754.1	32.8	4.2	1990	744.0	148.1	92.9	518.49	43.1	12.03
				1990						
798.0	767.7	30.4	3.8	August	748.3	148.5	93.3	529.83	43.5	12.18
790.3	760.0	30.3	3.8	September	753.3	149.3	93.8	529.48	43.4	12.20
795.9	761.9	34.0	4.3	October	753.9	149.5	93.7	526.25	43.1	12.21
791.9	762.9	29.0	3.7	November	754.6	149.4	93.2	527.47	43.2	12.21
795.3	765.0	30.2	3.8	December	757.6	148.6	92.3	532.29	43.1	12.35
				1991						
772.3	733.9	38.4	5.0	January	737.3	147.3	91.5	521.14	42.3	12.32
773.1	734.6	38.5	5.0	February	737.9	146.6	91.0	515.76	42.0	12.28
785.8	745.0	40.7	5.2	March	744.4	146.0	90.3	516.18	42.0	12.29
796.4	755.8	40.6	5.1	April	751.3	144.7	89.3	511.66	41.7	12.27
795.2	761.6	33.7	4.2	May	758.3	145.6	90.1	528.73	42.4	12.47
808.7	765.9	42.8	5.3	June	764.2	146.0	90.2	540.14	42.8	12.62
810.0	768.8	41.2	5.1	July	759.4	145.0	89.4	550.39	43.1	12.77
INA	INA	INA	INA	August	760.4	144.6	89.7	549.53	43.1	12.75

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
725	180	34	146	1989	544	39	48	141	43	184	90
744	182	34	148	1990	562	41	49	141	44	193	94
				1990							
746	182	34	148	August	564	41	49	141	44	194	95
746	182	33	148	September	564	41	49	141	44	195	94
749	182	33	149	October	567	42	49	141	44	198	94
749	182	33	148	November	568	42	49	141	44	197	95
750	181	33	148	December	569	42	49	141	44	198	95
				1991							
752	182	33	148	January	570	42	48	142	44	198	96
753	182	34	148	February	571	42	49	141	44	199	96
754	181	34	147	March	573	42	48	142	44	200	96
753	180	34	146	April	573	42	49	142	44	200	96
754	180	34	146	May	574	42	49	142	44	201	96
757	180	34	146	June	577	42	49	143	44	202	97
758	179	34	145	July	579	43	49	143	44	202	98
758	178	34	144	August	580	43	50	143	44	203	98

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	760.4	759.4	748.3	.9	12.1
Goods-Producing Industries[e]	181.2	181.1	185.0	.1	-3.8
Construction	36.2	35.7	36.1	.5	.1
Manufacturing	144.6	145.0	148.5	-.4	-3.9
Durable Goods[f]	74.5	75.3	80.0	-.8	-5.5
Fabricated Metal Products	11.3	11.4	11.7	-.1	-.5
Fabricated Structural Metal Products	4.0	3.9	4.2	.1	-.2
Industrial Machinery and Equipment	18.4	18.4	19.0	.0	-.6
Electronic and Other Electric Equipment	7.0	6.9	7.9	.0	-.9
Transportation Equipment	23.1	23.8	25.1	-.7	-2.0
Motor Vehicles and Equipment	4.9	4.9	5.0	.0	-.1
Instruments and Related Products	3.4	3.5	3.8	-.1	-.3
Nondurable Goods[g]	70.1	69.7	68.5	.4	1.6
Food and Kindred Products	12.4	12.1	11.8	.3	.6
Beverages	2.9	2.9	2.8	.0	.1
Apparel and Other Textile Products	3.1	3.1	3.2	.0	-.1
Paper and Allied Products	6.2	6.1	6.1	.1	.1
Printing and Publishing	15.2	15.1	14.7	.1	.5
Commercial Printing	6.5	6.5	6.0	.0	.5
Chemicals and Allied Products	24.1	24.4	23.3	-.3	.9
Rubber and Miscellaneous Plastics Products	6.4	6.2	6.7	.2	-.3
Service-Producing Industries	579.2	578.4	563.3	.8	15.9
Transportation and Public Utilities	42.8	42.6	41.4	.1	1.4
Transportation	25.8	25.7	24.6	.2	1.2
Trucking and Warehousing	10.9	10.9	10.7	.0	.2
Transportation by Air	8.2	8.1	7.4	.1	.9
Communications, Electric, Gas Services	17.0	17.0	16.8	.0	.2
Communications	9.9	9.9	9.9	.0	.0
Wholesale Trade	49.7	49.4	48.5	.3	1.1
Wholesale Trade-Durable Goods	28.3	28.1	27.9	.2	.5
Retail Trade	144.1	143.2	142.0	.8	2.1
General Merchandise Stores	21.1	20.8	20.9	.3	.2
Finance, Insurance, and Real Estate	44.7	44.6	44.5	.1	.2
Finance	17.8	17.8	17.8	-.1	-.1
Depository Institutions	13.3	13.3	13.4	.0	-.2
Commercial Banks	9.5	9.6	9.5	.0	.1
Insurance	17.3	17.2	17.0	.1	.2
Insurance Carriers	14.6	14.6	14.3	.1	.3
Life Insurance	6.8	6.8	6.7	.0	.1
Fire, Marine, and Casualty Insurance	5.6	5.6	5.5	.1	.2
Services	207.7	207.0	198.5	.6	9.2
Hotels and Other Lodging Places	8.3	8.3	8.0	.0	.3
Personal Services	8.7	8.7	8.4	.0	.2
Business Services	42.8	42.2	39.9	.6	3.0
Services to Buildings	6.4	6.3	6.2	.1	.1
Computer and Data Processing Services	5.6	5.6	5.2	.0	.4
Amusements, Including Motion Pictures	15.6	15.6	15.2	.0	.4
Health Services	61.5	61.3	59.4	.2	2.1
Nursing and Personal Care Facilities	12.1	12.0	11.5	.1	.6
Hospitals	28.4	28.4	28.2	.0	.2
Legal Services	4.6	4.6	4.4	.0	.2
Educational Services	6.3	6.5	6.3	-.2	.0
Social Services	13.8	13.8	13.2	.0	.6
Residential Care	5.0	5.0	4.8	.0	.3
Engineering and Management Services	19.4	19.3	18.1	.1	1.3
Engineering and Architectural Services	6.6	6.6	6.2	.0	.4
Government	90.3	91.4	88.3	-1.1	2.0
Federal Government	15.9	16.0	15.9	-.1	.0
State Government	20.8	20.8	19.7	.0	1.1
State Government Education[h]	12.5	12.5	11.3	.0	1.2
Local Government	53.6	54.7	52.7	-1.1	.9
Local Government Education	28.0	28.5	27.2	-.5	.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

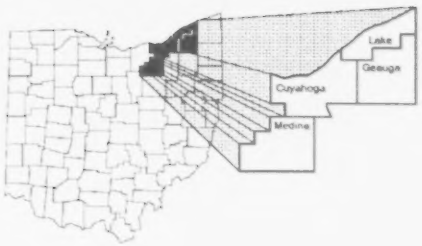
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[e]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[e]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$549.53	$550.39	$529.83	43.1	43.1	43.5	$12.75	$12.77	$12.18
Durable Goods[f]	549.09	550.80	523.74	43.1	43.2	43.5	12.74	12.75	12.04
Fabricated Metal Products	455.20	462.64	440.75	41.8	42.6	43.0	10.89	10.86	10.25
Fabricated Structural Metal Products	560.69	560.20	516.29	46.3	46.8	44.7	12.11	11.97	11.55
Industrial Machinery and Equipment	484.22	475.44	471.22	42.7	42.0	42.3	11.34	11.32	11.14
Electronic and Other Electric Equipment	422.73	400.31	386.92	42.4	41.1	40.6	9.97	9.74	9.53
Transportation Equipment	818.98	856.45	832.13	45.6	47.9	48.1	17.96	17.88	17.30
Motor Vehicles and Equipment	923.95	998.39	996.56	47.7	50.5	52.7	19.37	19.77	18.91
Instruments and Related Products	471.32	437.14	410.92	43.6	42.4	43.3	10.81	10.31	9.49
Nondurable Goods[g]	549.96	548.26	534.25	43.1	42.9	43.4	12.76	12.78	12.31
Food and Kindred Products	531.78	532.93	482.58	44.5	44.3	42.0	11.95	12.03	11.49
Beverages	606.51	607.75	553.83	41.4	41.4	41.3	14.65	14.68	13.41
Apparel and Other Textile Products	261.00	249.42	261.21	37.5	36.2	38.3	6.96	6.89	6.82
Paper and Allied Products	437.53	446.76	461.67	40.4	41.1	42.2	10.83	10.87	10.94
Printing and Publishing	514.93	515.39	519.96	40.9	41.1	42.0	12.59	12.54	12.38
Commercial Printing	562.61	560.40	564.75	44.3	44.3	45.0	12.70	12.65	12.55
Chemicals and Allied Products	696.26	692.92	690.23	45.3	45.2	46.2	15.37	15.33	14.94
Rubber and Miscellaneous Plastics Products	451.10	457.92	439.56	43.5	43.2	44.4	10.37	10.60	9.90
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	622.08	647.91	588.13	40.5	41.4	39.9	15.36	15.65	14.74
Communications	613.01	651.95	587.39	39.6	40.9	38.9	15.48	15.94	15.10
Wholesale Trade	465.68	466.48	446.75	39.7	39.7	39.5	11.73	11.75	11.31
Retail Trade[i]	184.62	186.68	178.70	28.1	28.2	28.5	6.57	6.62	6.27
General Merchandise Stores	239.48	237.77	222.83	30.9	31.0	30.4	7.75	7.67	7.33
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	287.31	291.48	304.58	....	....	....	.....	.....	.....
Commercial Banks	261.86	267.53	272.15	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	434.38	432.60	415.11	....	....	....	.....	.....	.....
Life Insurance	430.68	430.13	422.77	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	469.25	464.33	425.81	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	459.10	458.70	433.29	33.1	33.0	32.8	13.87	13.90	13.21
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	665.42	668.70	648.97	40.5	40.7	41.1	16.43	16.43	15.79

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

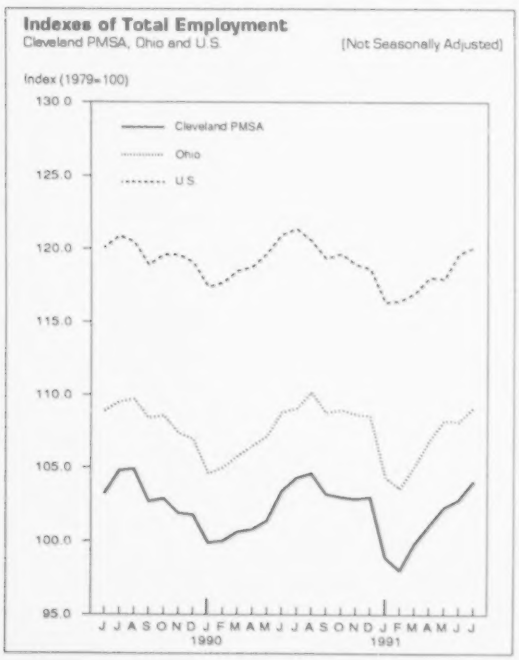
Cleveland
Primary Metropolitan Statistical Area

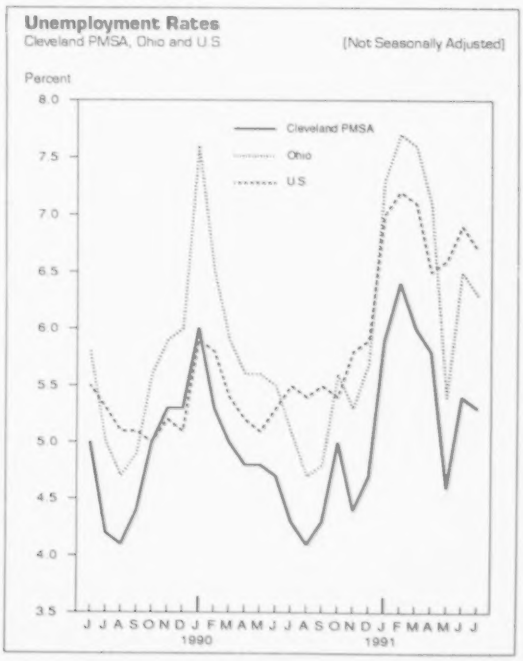


Nonfarm wage and salary employment in the Cleveland metropolitan area fell 5,400 below the July level to 955,400 in August 1991. Employment in the service-producing sector dropped 5,700 as seasonal layoffs in local government overshadowed more business in services and retail trade. Nominal increases in manufacturing and construction raised employment in goods-producing industries 400 over the month to 239,900. Gains in rubber and miscellaneous plastics products, fabricated metal products, and food and kindred products more than offset declines in industrial machinery and equipment and transportation equipment. Factory production workers averaged $12.63 per hour, up fractionally from July. Their average workweek of 42.4 hours was 0.2 hours longer.

Nonagricultural payroll employment declined 1,000 between August 1990 and August 1991. Reductions in durable-goods manufacturing lowered employment in goods-producing industries 5,100. Significant cutbacks occurred in industrial machinery and equipment (-2,500) and primary metal industries (-1,100). Moderate decreases were posted in rubber and miscellaneous plastics products, fabricated metal products, and transportation equipment. Employment in construction increased during the period. Expansion in service-producing industries created 4,100 jobs. Growth in services, especially health services and social services, outweighed declines in local schools.

Seasonally adjusted employment in the Cleveland area totaled 947,000 in August 1991, down 2,000 from July. Decreases in government and finance, insurance, and real estate more than offset increases in retail trade, services, and manufacturing. Since August 1990, nonfarm payroll employment declined 1,000 as reductions in manufacturing and government negated growth in services.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	$350.38	40.6	$ 8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
953.5	907.5	46.0	4.8	1989	935.8	207.6	133.7	509.87	43.1	11.83
954.8	909.1	45.7	4.8	1990	950.2	206.6	131.7	517.95	42.7	12.13
				1990						
969.6	930.3	39.4	4.1	August	956.3	206.1	131.1	518.38	42.7	12.14
958.0	917.2	40.8	4.3	September	960.3	207.4	133.0	530.56	43.1	12.31
964.4	915.9	48.5	5.0	October	959.4	207.6	132.4	527.24	42.9	12.29
956.7	914.6	42.2	4.4	November	956.5	205.2	129.5	518.87	42.6	12.18
960.9	915.4	45.5	4.7	December	957.6	204.5	128.7	516.01	42.4	12.17
				1991						
935.0	879.5	55.5	5.9	January	932.4	204.1	128.3	510.38	41.8	12.21
931.5	871.5	60.0	6.4	February	926.4	199.2	123.7	496.43	41.3	12.02
944.4	887.2	57.1	6.0	March	936.6	201.7	126.2	505.10	41.3	12.23
954.5	898.9	55.6	5.8	April	943.6	201.9	126.8	510.88	41.3	12.37
953.6	909.8	43.8	4.6	May	953.4	201.8	126.9	515.43	41.4	12.45
967.1	914.4	52.7	5.4	June	964.5	202.8	127.5	538.06	42.4	12.69
977.4	925.4	52.1	5.3	July	960.7	200.2	125.1	531.30	42.2	12.59
INA	INA	INA	INA	August	955.4	200.5	125.5	535.51	42.4	12.63

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
936	241	33	208	1989	694	42	65	159	57	253	118
950	242	35	207	1990	708	43	65	163	58	260	120
				1990							
948	242	35	206	August	707	43	65	164	58	262	115
953	242	34	206	September	711	43	65	164	58	261	120
953	242	34	207	October	711	43	65	164	58	261	120
949	240	34	204	November	710	43	65	164	58	261	119
949	239	35	203	December	710	43	65	163	58	261	119
				1991							
952	241	34	206	January	711	43	65	164	58	262	120
947	236	35	201	February	711	43	65	163	58	262	120
952	239	35	203	March	713	43	65	164	58	263	120
951	238	35	203	April	712	43	65	164	58	263	120
952	237	35	202	May	714	43	65	163	59	265	120
953	237	35	201	June	715	43	65	164	59	266	119
949	236	35	200	July	713	43	65	163	59	266	117
947	237	35	201	August	711	43	65	164	58	267	113

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	955.4	960.7	956.3	-5.4	-1.0
Goods-Producing Industries[e]	239.9	239.6	245.0	.4	-5.1
Construction	38.9	38.7	38.1	.2	.8
Special Trade Contractors	27.0	26.8	26.4	.2	.7
Manufacturing	200.5	200.2	206.1	.3	-5.6
Durable Goods[f]	134.6	134.8	140.1	-.1	-5.4
Stone, Clay, and Glass Products	3.5	3.5	3.7	.0	-.1
Primary Metal Industries	19.2	19.1	20.3	.1	-1.1
Iron and Steel Foundries	4.0	4.0	4.2	.0	-.2
Fabricated Metal Products	33.8	33.6	34.5	.2	-.6
Screw Machine Products, Bolts, etc	5.2	5.3	5.2	-.1	.0
Metal Forgings and Stampings	10.9	10.6	11.0	.2	-.1
Industrial Machinery and Equipment	30.9	31.2	33.5	-.3	-2.5
Metalworking Machinery	11.8	12.1	12.9	-.2	-1.1
Electronic and Other Electric Equipment	15.2	15.1	15.4	.1	-.3
Electrical Industrial Apparatus	3.7	3.7	4.1	.0	-.4
Electric Lighting and Wiring Equipment	5.1	5.1	5.1	.0	.0
Transportation Equipment	18.0	18.2	18.6	-.2	-.6
Motor Vehicles and Equipment	10.9	11.0	11.1	.0	-.1
Instruments and Related Products	7.2	7.2	7.1	.0	.1
Measuring and Controlling Devices	5.1	5.1	5.0	.0	.1
Nondurable Goods[g]	65.8	65.4	66.0	.5	-.2
Food and Kindred Products	6.3	6.1	6.1	.2	.2
Apparel and Other Textile Products	3.1	3.1	3.1	.0	.0
Paper and Allied Products	5.9	5.9	5.9	-.1	.0
Printing and Publishing	17.7	17.8	17.7	-.1	.0
Chemicals and Allied Products	15.3	15.3	15.1	.1	.2
Rubber and Miscellaneous Plastics Products	10.9	10.6	11.7	.3	-.9
Miscellaneous Plastics Products	7.2	7.1	7.4	.1	-.2
Service-Producing Industries	715.4	721.2	711.3	-5.7	4.1
Transportation and Public Utilities	43.6	43.6	43.1	.0	.5
Transportation	26.5	26.5	25.8	.0	.7
Trucking and Warehousing	11.7	11.7	11.6	-.1	.0
Transportation by Air	5.8	5.7	5.3	.1	.5
Communications, Electric, Gas Services	17.1	17.2	17.4	-.1	-.3
Communications	10.0	10.1	10.4	-.1	-.3
Electric, Gas, and Sanitary Services	7.1	7.1	7.0	.0	.1
Wholesale Trade	65.6	65.6	65.7	.1	.0
Wholesale Trade-Durable Goods	45.0	45.0	45.0	.0	.0
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.2	.0	-.1
Professional and Commercial Equipment	9.0	9.0	9.2	.0	-.2
Retail Trade	165.1	164.7	165.2	.5	.0
General Merchandise Stores	19.4	19.5	20.2	.0	-.8
Finance, Insurance, and Real Estate	59.2	59.5	58.9	-.3	.2
Finance	28.0	28.0	28.2	.0	-.2
Depository Institutions	20.7	20.6	20.8	.0	-.1
Commercial Banks	13.1	13.1	13.3	.0	-.1
Insurance	19.4	19.7	19.2	-.3	.2
Insurance Carriers	14.6	14.9	14.4	-.3	.2
Fire, Marine, and Casualty Insurance	6.6	6.7	6.4	.0	.3
Services	270.1	269.0	264.8	1.0	5.3
Business Services	54.5	54.1	54.1	.5	.5
Personnel Supply Services	20.2	19.8	20.3	.4	-.1
Computer and Data Processing Services	7.1	7.1	6.8	.0	.3
Amusements, Including Motion Pictures	14.2	14.0	14.3	.2	-.2
Health Services	83.4	83.2	80.8	.2	2.7
Nursing and Personal Care Facilities	15.1	15.0	14.7	.0	.4
Hospitals	44.3	44.2	43.1	.0	1.2
Legal Services	10.3	10.4	10.0	-.1	.3
Educational Services	15.1	15.0	15.0	.2	.1
Social Services	16.1	16.0	15.1	.1	1.0
Residential Care	4.6	4.6	4.2	.0	.4
Engineering and Management Services	23.7	23.5	23.0	.2	.7
Engineering and Architectural Services	8.9	8.9	8.5	.0	.4
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.4	.1	.1
Management and Public Relations	5.5	5.4	5.3	.1	.2
Government	111.8	118.8	113.7	-7.0	-1.9
Federal Government	19.8	19.8	20.0	.0	-.2
State Government	8.2	8.2	8.0	-.1	.2
State Government Education[h]	3.0	3.0	2.7	.0	.3
Local Government	83.9	90.8	85.7	-6.9	-1.9
Local Government Education	35.8	40.6	37.5	-4.8	-1.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

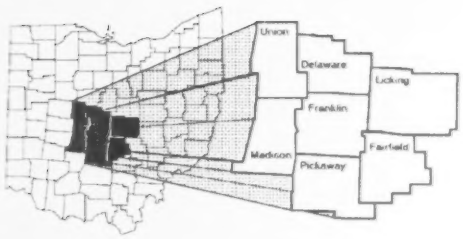
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$535.51	$531.30	$518.38	42.4	42.2	42.7	$12.63	$12.59	$12.14
Durable Goods[f]	562.28	556.67	552.45	42.5	42.3	43.5	13.23	13.16	12.70
Stone, Clay, and Glass Products	524.03	518.74	514.11	41.1	41.4	42.7	12.75	12.53	12.04
Primary Metal Industries	586.02	576.28	533.82	44.7	44.5	44.3	13.11	12.95	12.05
Iron and Steel Foundries	954.03	869.05	849.88	48.7	45.5	47.4	19.59	19.10	17.93
Fabricated Metal Products	581.95	577.54	552.12	43.3	43.1	43.0	13.44	13.40	12.84
Screw Machine Products, Bolts, etc.	534.70	494.21	532.82	43.9	41.6	42.9	12.18	11.88	12.42
Metal Forgings and Stampings	729.41	761.81	701.32	44.1	45.4	44.5	16.54	16.78	15.76
Industrial Machinery and Equipment	516.53	510.67	559.10	42.2	42.1	44.8	12.24	12.13	12.48
Metalworking Machinery	461.71	466.03	506.26	39.7	39.9	42.4	11.63	11.68	11.94
Electronic and Other Electric Equipment	424.54	421.98	424.50	39.2	39.0	40.7	10.83	10.82	10.43
Electrical Industrial Apparatus	451.68	434.11	456.93	41.9	40.8	43.6	10.78	10.64	10.48
Electric Lighting and Wiring Equipment	419.63	406.48	395.26	36.3	35.5	38.3	11.56	11.45	10.32
Transportation Equipment	758.52	758.09	741.32	43.0	43.0	44.1	17.64	17.63	16.81
Motor Vehicles and Equipment	825.80	842.27	836.24	43.1	43.8	45.3	19.16	19.23	18.46
Instruments and Related Products	423.60	424.51	472.76	39.7	39.6	42.4	10.67	10.72	11.15
Measuring and Controlling Devices	451.41	438.80	468.68	41.0	40.0	42.3	11.01	10.97	11.08
Nondurable Goods[g]	473.06	467.74	439.11	42.2	41.8	41.0	11.21	11.19	10.71
Food and Kindred Products	528.22	480.67	460.02	44.5	40.7	41.0	11.87	11.81	11.22
Apparel and Other Textile Products	408.72	408.20	371.72	39.3	39.1	37.7	10.40	10.44	9.86
Paper and Allied Products	533.12	520.82	503.09	44.8	44.1	43.9	11.90	11.81	11.46
Printing and Publishing	400.34	403.13	381.21	38.2	38.8	37.3	10.48	10.39	10.22
Chemicals and Allied Products	570.18	582.55	551.68	43.0	43.9	42.7	13.26	13.27	12.92
Rubber and Miscellaneous Plastics Products	395.51	384.92	376.74	42.3	41.3	42.0	9.35	9.32	8.97
Miscellaneous Plastics Products	409.45	392.47	381.49	43.1	41.4	42.2	9.50	9.48	9.04
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	597.30	519.55	491.39	39.4	35.2	34.9	15.16	14.76	14.08
Communications, Electric, Gas Services	706.76	701.32	629.86	44.2	44.5	40.9	15.99	15.76	15.40
Wholesale Trade	477.06	477.10	468.07	39.2	39.3	39.6	12.17	12.14	11.82
Retail Trade[i]	199.88	203.76	193.45	27.8	28.3	28.2	7.19	7.20	6.86
General Merchandise Stores	196.40	208.79	187.62	28.3	29.7	28.6	6.94	7.03	6.56
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	336.26	339.14	321.44	....	....	....	.....	.....	.....
Depository Institutions	303.37	307.12	294.87	....	....	....	.....	.....	.....
Commercial Banks	287.21	286.45	285.53	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	345.52	345.65	342.41	31.1	31.0	31.5	11.11	11.15	10.87
Nursing and Personal Care Facilities	253.41	259.52	249.38	33.3	33.4	33.7	7.61	7.77	7.40
Hospitals	385.92	384.64	378.53	30.8	30.6	30.9	12.53	12.57	12.25

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

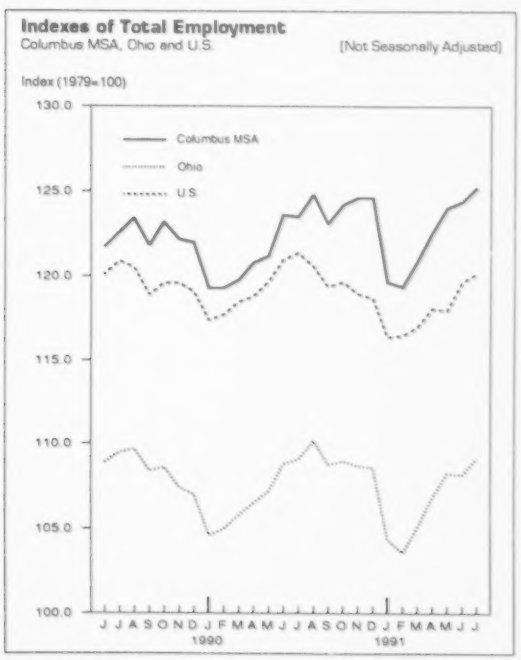
Columbus Metropolitan Statistical Area

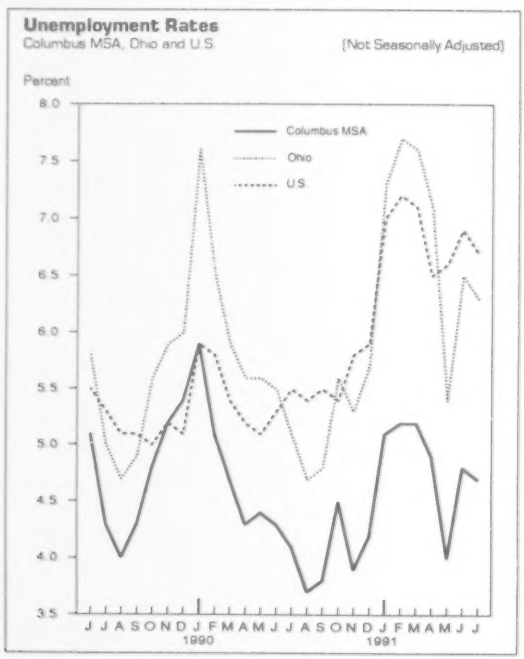


Nonagricultural payroll employment in the Columbus metropolitan area rose 3,700 above the July level to 737,100 in August 1991. More business in retail trade and services raised employment in the service-producing sector 2,000. Employment in goods-producing industries totaled 139,000 as scattered gains in manufacturing and improvements in construction created 1,700 jobs. Increases were posted in stone, clay, and glass products, electronic and other electric equipment, and transportation equipment. Factory production workers averaged $13.00 per hour, little changed from July. Their average workweek of 42.7 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 12,800 between August 1990 and August 1991. Expansion in the service-producing sector contributed 93.0 percent of the gain. The leading growth industry was services, most notably business services (+3,800), health services (+2,100), and social services (+1,200). Modest increases occurred in local and state schools and colleges and in retail trade. The number of employees in goods-producing industries rose 900 due to gains in construction and manufacturing. Over-the-year improvements in electronic and other electric equipment and food and kindred products outweighed declines in industrial machinery and equipment, fabricated metal products, and instruments and related products.

Seasonally adjusted employment in the Columbus area increased 2,000 from July to 739,000 in August 1991 mainly due to growth in manufacturing and services. Since August 1990, nonfarm payroll employment advanced 13,000. Services added 9,000 employees; government rose 2,000; and construction gained 1,000.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.05	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
733.7	698.9	34.8	4.7	1989	704.7	104.9	69.5	500.82	41.7	12.01
739.5	706.9	32.6	4.4	1990	722.7	104.5	69.7	522.48	42.0	12.44
				1990						
748.3	720.9	27.4	3.7	August	724.3	105.1	70.0	515.41	41.7	12.36
739.5	711.1	28.4	3.8	September	728.2	105.6	70.7	529.61	42.2	12.55
750.9	717.2	33.7	4.5	October	735.2	106.1	70.7	530.88	42.1	12.61
748.9	719.6	29.3	3.9	November	737.1	105.0	69.7	541.40	42.9	12.62
751.7	719.8	31.9	4.2	December	737.3	104.6	69.4	549.11	43.0	12.77
				1991						
728.4	691.4	37.0	5.1	January	717.4	104.3	69.3	529.59	41.7	12.70
727.5	689.6	38.0	5.2	February	717.7	103.6	68.9	524.10	41.3	12.69
736.7	698.3	38.4	5.2	March	722.6	103.6	69.0	537.13	41.8	12.85
744.5	707.9	36.6	4.9	April	727.5	103.7	69.0	541.80	42.0	12.90
745.3	715.9	29.5	4.0	May	734.5	104.0	69.4	544.80	42.2	12.91
754.8	718.2	36.6	4.8	June	741.1	104.4	69.5	548.23	42.4	12.93
758.8	722.8	36.0	4.7	July	733.5	104.3	69.4	552.93	42.5	13.01
INA	INA	INA	INA	August	737.1	105.5	70.6	555.10	42.7	13.00

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
705	135	30	105	1989	569	31	37	145	60	172	125
723	135	29	105	1990	588	31	36	148	61	183	129
				1990							
726	135	29	105	August	591	31	36	149	61	185	130
726	135	29	105	September	591	31	36	149	61	185	130
727	135	29	105	October	592	31	36	149	61	186	130
727	134	29	104	November	593	31	36	149	61	186	130
728	134	29	104	December	593	31	36	149	61	187	130
				1991							
729	135	29	105	January	594	31	36	149	61	187	130
729	134	29	105	February	595	31	36	148	61	188	131
731	135	30	104	March	596	31	36	149	61	189	130
730	135	30	104	April	595	31	36	148	61	190	130
732	135	30	104	May	598	31	36	148	61	191	131
734	135	30	104	June	599	31	36	149	61	192	130
737	135	30	104	July	602	31	36	149	61	193	132
739	136	30	105	August	603	31	36	149	61	194	132

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	737.1	733.5	724.3	3.7	12.8
Goods-Producing Industries[e]	139.0	137.3	138.1	1.7	.9
Construction	32.6	32.1	32.1	.4	.5
Manufacturing	105.5	104.3	105.1	1.2	.4
Durable Goods[f]	66.6	65.8	66.3	.8	.3
Stone, Clay, and Glass Products	9.7	9.4	9.7	.3	.0
Glass and Glassware, Pressed or Blown	3.9	3.5	3.6	.3	.3
Fabricated Metal Products	8.9	8.9	9.5	.0	-.5
Industrial Machinery and Equipment	9.3	9.4	10.0	.0	-.6
Electronic and Other Electric Equipment	10.8	10.6	9.4	.2	1.5
Transportation Equipment	15.8	15.7	15.7	.2	.1
Motor Vehicles and Equipment	14.1	14.1	14.1	.0	.1
Instruments and Related Products	4.1	4.0	4.4	.0	-.4
Nondurable Goods[g]	38.9	38.5	38.8	.4	.1
Food and Kindred Products	11.3	11.1	10.6	.1	.7
Dairy Products	4.2	4.2	3.9	.0	.3
Printing and Publishing	10.9	10.9	10.8	.1	.2
Chemicals and Allied Products	6.7	6.7	7.0	.0	-.2
Rubber and Miscellaneous Plastics Products	6.1	6.1	6.1	.0	.0
Service-Producing Industries	598.1	596.1	586.2	2.0	11.9
Transportation and Public Utilities	31.2	30.9	31.1	.3	.1
Transportation	18.4	18.2	18.3	.2	.1
Trucking and Warehousing	13.2	13.1	13.1	.1	.1
Communications, Electric, Gas Services	12.8	12.8	12.8	.0	.0
Communications	8.1	8.0	7.9	.0	.1
Electric, Gas, and Sanitary Services	4.7	4.7	4.9	.0	-.1
Wholesale Trade	36.5	36.6	36.1	-.1	.4
Wholesale Trade-Durable Goods	22.8	22.9	22.7	-.1	.2
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.1	.0	.0
Machinery, Equipment, and Supplies	4.9	4.9	5.0	.0	-.1
Wholesale Trade-Nondurable Goods	13.6	13.6	13.4	.0	.3
Retail Trade	149.7	148.3	149.1	1.4	.6
General Merchandise Stores	21.0	20.8	21.0	.2	.0
Food Stores	16.2	16.3	17.2	-.1	-.9
Automotive Dealers and Service Stations	14.6	14.5	14.5	.1	.1
Finance, Insurance, and Real Estate	61.5	61.5	61.6	.0	.0
Finance	24.4	24.3	24.7	.1	-.3
Depository Institutions	13.4	13.4	14.0	.0	-.5
Commercial Banks	11.3	11.3	11.7	.0	-.3
Insurance	27.2	27.1	27.2	.0	.0
Insurance Carriers	23.0	23.0	23.1	.0	-.1
Services	195.8	195.1	186.6	.8	9.2
Business Services	47.2	46.4	43.4	.8	3.8
Personnel Supply Services	20.2	19.8	17.6	.5	2.7
Health Services	49.2	49.0	47.2	.2	2.1
Nursing and Personal Care Facilities	8.7	8.7	8.4	.0	.4
Hospitals	22.7	22.7	22.1	.0	.7
Legal Services	4.7	4.8	4.7	-.1	.0
Educational Services	6.3	6.3	6.3	-.1	.0
Social Services	14.3	14.2	13.1	.1	1.2
Engineering and Management Services	19.0	19.0	18.5	.0	.5
Engineering and Architectural Services	5.4	5.4	5.1	.0	.3
Accounting, Auditing, and Bookkeeping	3.9	3.9	3.8	.0	.1
Research and Testing Services	5.8	5.8	5.9	.0	-.1
Government	123.3	123.7	121.7	-.4	1.6
Federal Government	15.6	15.7	16.6	-.1	-1.0
State Government	53.7	53.6	53.0	.1	.7
State Government Education[h]	20.0	20.1	19.2	-.1	.8
Local Government	54.0	54.4	52.2	-.4	1.9
Local Government Education	30.1	30.4	29.0	-.3	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

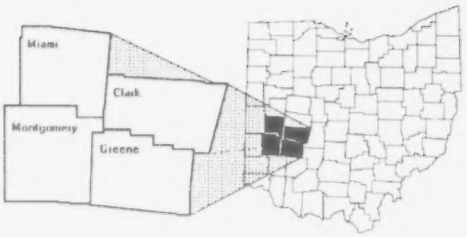
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$555.10	$552.93	$515.41	42.7	42.5	41.7	$13.00	$13.01	$12.36
Durable Goods[f]	574.59	569.28	531.30	43.3	42.9	42.0	13.27	13.27	12.65
Stone, Clay, and Glass Products	549.56	554.02	539.68	44.0	43.9	44.2	12.49	12.62	12.21
Glass and Glassware, Pressed or Blown	491.77	492.74	454.99	42.8	41.9	41.4	11.49	11.76	10.99
Fabricated Metal Products	537.51	559.73	526.95	41.0	41.4	41.2	13.11	13.52	12.79
Industrial Machinery and Equipment	586.30	519.55	496.23	45.1	41.3	41.7	13.00	12.56	11.90
Electronic and Other Electric Equipment	573.34	566.80	511.28	43.8	43.4	41.1	13.09	13.06	12.44
Transportation Equipment	676.90	686.14	622.80	44.3	45.2	43.1	15.28	15.18	14.45
Motor Vehicles and Equipment	692.85	699.79	629.86	44.7	45.5	43.2	15.50	15.38	14.58
Instruments and Related Products	430.92	433.09	426.78	39.9	40.4	40.3	10.80	10.72	10.59
Nondurable Goods[g]	518.34	520.42	484.57	41.6	41.7	41.1	12.46	12.48	11.79
Food and Kindred Products	460.82	466.71	423.50	42.2	42.7	40.8	10.92	10.93	10.38
Dairy Products	642.69	623.38	608.96	44.6	43.9	44.0	14.41	14.20	13.94
Printing and Publishing	600.73	610.58	576.22	40.7	41.2	41.1	14.76	14.82	14.02
Chemicals and Allied Products	664.28	653.10	614.96	42.5	42.0	41.3	15.63	15.55	14.89
Rubber and Miscellaneous Plastics Products	397.54	401.88	392.37	40.4	40.8	41.0	9.84	9.85	9.57
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	494.77	475.07	445.90	36.3	35.4	34.3	13.63	13.42	13.00
Communications, Electric, Gas Services	689.92	681.35	681.03	44.0	44.1	43.6	15.68	15.45	15.62
Communications	702.02	690.48	592.81	44.8	45.1	39.6	15.67	15.31	14.97
Electric, Gas, and Sanitary Services	669.96	665.26	825.79	42.7	42.4	50.2	15.69	15.69	16.45
Wholesale Trade	422.67	419.43	407.33	39.1	38.8	38.5	10.81	10.81	10.58
Retail Trade[i]	195.43	197.12	186.70	27.8	28.2	27.7	7.03	6.99	6.74
General Merchandise Stores	240.28	241.00	212.28	30.3	30.7	29.0	7.93	7.85	7.32
Food Stores	202.31	202.05	192.20	27.6	23.7	28.1	7.33	7.04	6.84
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	501.11	498.48	463.28	....	....	....	.....	.....	.....
Depository Institutions	309.71	308.83	300.26	....	....	....	.....	.....	.....
Commercial Banks	310.12	307.82	298.14	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	249.96	253.59	231.28	31.6	32.1	31.9	7.91	7.90	7.25
Hospitals	390.35	403.37	399.84	33.5	34.3	33.6	11.67	11.76	11.90
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	535.05	515.62	485.08	39.4	39.3	38.9	13.58	13.12	12.47

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

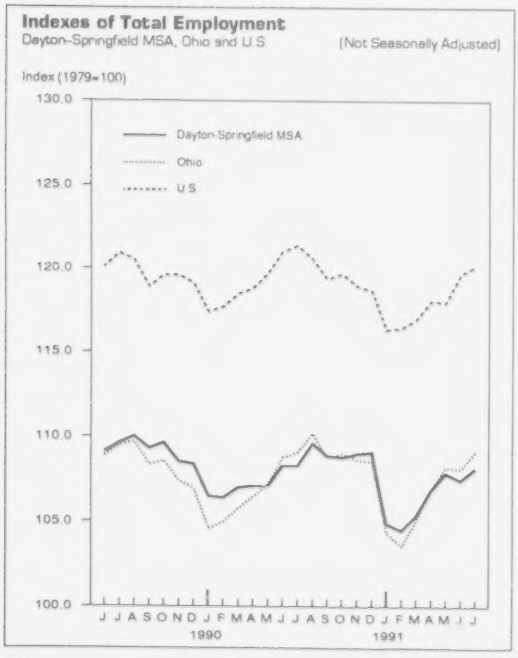
Dayton-Springfield Metropolitan Statistical Area

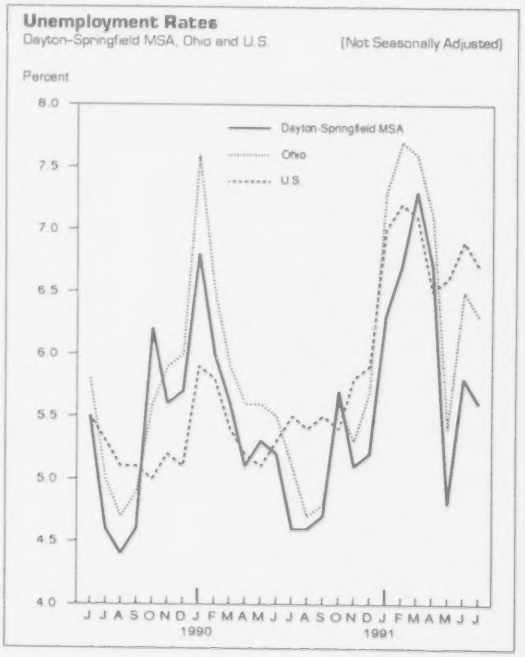


In the Dayton-Springfield metropolitan area, nonfarm payroll employment rose 1,300 above the July level to 450,300 in August 1991. More business in services and retail trade created 1,200 jobs in the service-producing sector. Nominal gains in construction and manufacturing raised employment in goods-producing industries 200 over the month to 116,200. Increases in fabricated metal products and paper and allied products counterbalanced declines in industrial machinery and equipment and food and kindred products. Factory production workers averaged $14.09 per hour, up 11 cents from July. Their average workweek of 42.7 hours was 0.5 hours longer.

Nonagricultural wage and salary employment decreased 400 between August 1990 and August 1991. Over-the-year cutbacks in manufacturing lowered the workforce in goods-producing industries 4,400. Noteworthy reductions were posted in industrial machinery and equipment, transportation equipment, printing and publishing, fabricated metal products, and electronic and other electric equipment. Employment in service-producing industries advanced 4,000 during the period. Expansion in services, especially health services, and in retail trade more than offset a decline in federal government.

Seasonally adjusted employment in the Dayton-Springfield area increased 1,000 from July to 453,000 in August 1991 mainly due to a gain in government. Total nonfarm payroll employment was unchanged from August 1990. Growth in services and retail trade counterbalanced a decline in manufacturing.





Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.2	453.8	24.4	5.1	1989	448.4	105.0	67.5	555.56	42.9	12.95
476.8	451.5	25.4	5.3	1990	452.2	102.6	66.4	565.40	42.1	13.43
				1990						
480.1	458.0	22.1	4.6	August	450.7	103.0	66.3	557.19	41.8	13.33
477.3	455.0	22.3	4.7	September	456.3	103.2	66.9	590.04	43.1	13.69
482.1	454.7	27.4	5.7	October	456.4	102.6	66.8	580.98	42.5	13.67
480.2	455.8	24.4	5.1	November	457.1	101.7	66.1	564.62	41.7	13.54
480.9	456.0	24.9	5.2	December	457.4	101.1	65.5	564.40	41.5	13.60
				1991						
468.2	438.6	29.6	6.3	January	445.6	100.1	64.6	562.51	41.3	13.62
468.1	436.7	31.4	6.7	February	445.1	98.7	63.3	545.66	40.6	13.44
475.2	440.5	34.7	7.3	March	446.0	96.9	61.6	551.86	41.0	13.46
478.7	446.8	31.9	6.7	April	449.7	97.4	62.1	562.63	41.4	13.59
473.7	451.2	22.5	4.8	May	453.3	98.7	63.6	573.12	41.5	13.81
477.3	449.5	27.8	5.8	June	454.0	99.3	63.9	593.89	42.3	14.04
479.2	452.4	26.8	5.6	July	449.0	98.5	62.9	589.96	42.2	13.98
INA	INA	INA	INA	August	450.3	98.6	63.1	601.64	42.7	14.09

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	325	17	20	80	18	114	76
452	119	16	103	1990	333	18	20	82	17	118	77
				1990							
453	119	16	103	August	334	18	20	82	17	118	78
452	118	16	102	September	334	19	20	82	17	119	77
452	118	15	102	October	334	18	20	82	17	119	77
452	117	15	101	November	334	19	20	82	17	119	77
452	117	15	101	December	335	19	20	82	18	120	77
				1991							
451	117	15	101	January	334	18	20	83	18	119	77
452	116	16	100	February	336	18	20	83	18	120	77
450	114	16	98	March	336	19	20	83	18	120	77
450	114	16	98	April	336	19	20	83	18	120	76
452	115	16	99	May	337	19	20	83	18	121	77
452	115	16	99	June	337	19	20	83	18	121	76
452	114	16	98	July	338	19	20	84	18	121	76
453	114	16	98	August	338	19	20	84	18	121	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	450.3	449.0	450.7	1.3	-.4
Goods-Producing Industries[e]	116.2	116.1	120.6	.2	-4.4
Construction	17.2	17.1	17.1	.1	.0
Manufacturing	98.6	98.5	103.0	.1	-4.4
Durable Goods[f]	69.6	69.6	73.5	.0	-3.9
Fabricated Metal Products	7.8	7.7	8.3	.1	-.5
Industrial Machinery and Equipment	29.3	29.4	30.8	-.1	-1.5
Metalworking Machinery	7.7	7.6	8.4	.1	-.7
General Industrial Machinery	2.9	2.9	3.0	.1	-.1
Electronic and Other Electric Equipment	3.2	3.2	3.5	.0	-.4
Transportation Equipment	20.8	20.9	21.6	.0	-.8
Motor Vehicles and Equipment	18.1	18.2	18.5	-.1	-.5
Nondurable Goods[g]	29.0	28.9	29.5	.1	-.5
Food and Kindred Products	2.7	2.8	2.6	-.1	.1
Paper and Allied Products	6.5	6.3	6.5	.1	.0
Printing and Publishing	8.4	8.4	9.0	.0	-.6
Rubber and Miscellaneous Plastics Products	7.7	7.7	7.7	.0	.0
Service-Producing Industries	334.1	332.9	330.1	1.2	4.0
Transportation and Public Utilities	19.1	19.0	18.7	.1	.5
Transportation	12.5	12.3	12.1	.1	.3
Trucking and Warehousing	6.1	6.1	6.0	.0	.1
Communications, Electric, Gas Services	6.7	6.7	6.5	.0	.2
Communications	3.4	3.4	3.4	.0	.0
Wholesale Trade	20.1	20.2	19.8	-.1	.2
Wholesale Trade-Durable Goods	13.5	13.6	13.5	-.1	.0
Wholesale Trade-Nondurable Goods	6.5	6.6	6.3	.0	.2
Retail Trade	84.2	83.6	82.6	.6	1.6
General Merchandise Stores	12.7	12.6	12.8	.1	-.1
Finance, Insurance, and Real Estate	17.9	18.0	17.6	-.1	.3
Finance	9.7	9.7	9.6	.0	.1
Depository Institutions	7.3	7.4	7.3	.0	.0
Insurance	4.7	4.7	4.4	-.1	.2
Services	120.9	120.2	118.5	.7	2.4
Business Services	25.0	24.8	24.4	.2	.6
Personnel Supply Services	7.8	7.6	7.4	.2	.4
Computer and Data Processing Services	6.2	6.2	5.9	.0	.3
Health Services	40.4	40.3	39.4	.0	1.0
Nursing and Personal Care Facilities	7.1	7.1	7.0	.0	.1
Hospitals	20.2	20.3	20.0	-.1	.3
Educational Services	5.6	5.7	5.5	-.2	.1
Social Services	6.6	6.5	6.2	.1	.4
Engineering and Management Services	10.4	10.4	10.6	.0	-.2
Research and Testing Services	3.3	3.3	3.3	.1	.0
Government	71.8	71.9	72.9	-.1	-1.0
Federal Government	28.0	28.2	29.1	-.1	-1.1
State Government	6.8	6.8	6.7	.0	.1
State Government Education[h]	3.9	3.9	3.7	.0	.2
Local Government	37.0	36.9	37.1	.1	-.1
Local Government Education	20.6	20.3	20.5	.3	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

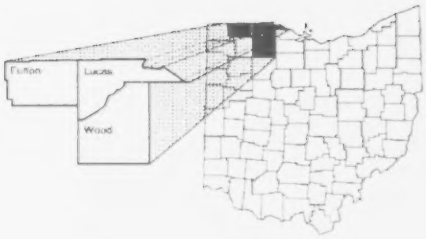
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$601.64	$589.96	$557.19	42.7	42.2	41.8	$14.09	$13.98	$13.33
Durable Goods[f]	626.98	612.16	577.30	43.3	42.6	42.2	14.48	14.37	13.68
Fabricated Metal Products	411.76	411.76	403.24	41.3	41.3	41.4	9.97	9.97	9.74
Industrial Machinery and Equipment	658.30	624.02	612.37	44.3	42.8	43.4	14.86	14.58	14.11
Metalworking Machinery	602.00	557.09	618.98	44.2	42.3	46.4	13.62	13.17	13.34
General Industrial Machinery	587.42	596.81	508.37	46.0	46.3	42.9	12.77	12.89	11.85
Electronic and Other Electric Equipment	379.32	377.98	380.46	42.1	41.4	42.7	9.01	9.13	8.91
Transportation Equipment	788.01	789.36	695.55	43.9	44.0	41.6	17.95	17.94	16.72
Motor Vehicles and Equipment	800.15	797.53	700.04	43.7	43.7	41.3	18.31	18.25	16.95
Nondurable Goods[g]	537.31	530.19	498.57	41.3	41.1	40.6	13.01	12.90	12.28
Food and Kindred Products	376.57	356.17	341.04	41.2	40.2	39.2	9.14	8.86	8.70
Paper and Allied Products	554.38	516.09	499.38	44.6	42.9	43.5	12.43	12.03	11.48
Printing and Publishing	481.51	479.16	452.78	39.5	39.6	38.6	12.19	12.10	11.73
Rubber and Miscellaneous Plastics Products	663.92	679.50	635.48	39.1	39.9	39.3	16.98	17.03	16.17
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	628.58	621.09	559.19	41.6	41.6	39.8	15.11	14.93	14.05
Communications	661.30	651.18	572.80	42.5	42.7	40.0	15.56	15.25	14.32
Wholesale Trade	394.35	393.35	393.82	39.2	39.1	39.5	10.06	10.06	9.97
Retail Trade[f]	183.30	186.68	179.32	28.2	28.5	28.6	6.50	6.55	6.27
General Merchandise Stores	200.33	205.10	186.87	28.7	29.3	28.1	6.98	7.00	6.65
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	279.11	285.47	276.95	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	426.80	428.25	419.01	33.9	33.8	34.6	12.59	12.67	12.11

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

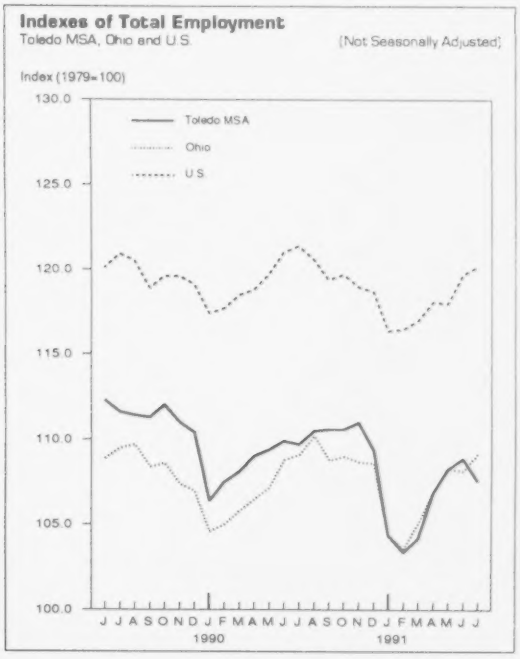
Toledo Metropolitan Statistical Area

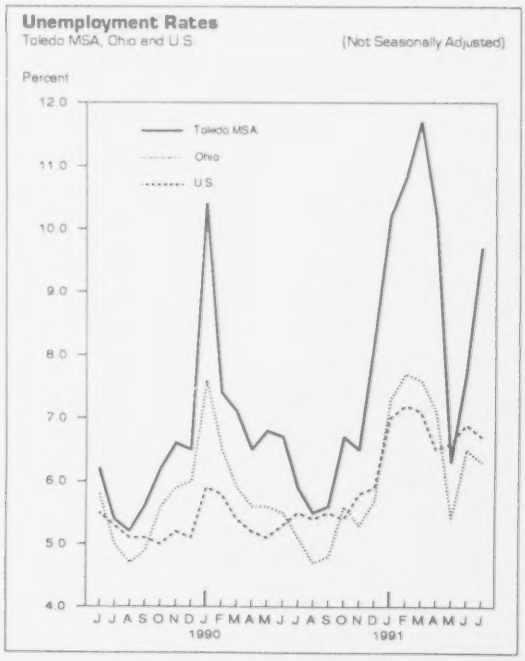


Nonfarm payroll employment in the Toledo metropolitan area rose 800 above the July level to 283,700 in August 1991. Modest gains in manufacturing and construction increased employment in goods-producing industries 800 over the month to 67,100. Seasonal hirings in food and kindred products and an improvement in transportation equipment outweighed a decline in fabricated metal products. The number of employees in service-producing industries was unchanged from July. Manufacturing production workers averaged $13.68 per hour, up fractionally from last month. Their average workweek of 43.2 hours was 0.9 hours longer.

Nonagricultural wage and salary employment dropped 4,700 between August 1990 and August 1991. Over-the-year cutbacks in durable-goods manufacturing, particularly transportation equipment (-4,800), lowered employment in the goods-producing sector 6,200. Moderate reductions were posted in stone, clay, and glass products and in primary metal industries. Expansion in service-producing industries created 1,500 jobs. Growth in services, especially health services, more than offset declines in retail trade and wholesale trade.

Seasonally adjusted employment in the Toledo area increased 1,000 from July to 287,000 in August 1991 mainly due to a gain in government. Since August 1990, nonfarm payroll employment fell 5,000. A significant drop in manufacturing (-6,000) negated moderate growth in services (+3,000).





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
316.2	297.4	18.8	6.0	1989	291.9	61.5	43.9	576.81	43.5	13.26
313.9	292.1	21.8	6.9	1990	290.7	59.2	42.2	580.13	43.1	13.46
				1990						
312.3	295.2	17.1	5.5	August	288.4	60.4	43.5	584.87	43.1	13.57
312.9	295.4	17.5	5.6	September	294.4	61.1	44.2	610.94	44.4	13.76
316.7	295.4	21.2	6.7	October	294.8	59.5	42.8	585.30	43.1	13.58
317.3	296.6	20.7	6.5	November	295.7	59.5	42.5	595.88	43.4	13.73
318.4	292.3	26.1	8.2	December	291.4	55.2	38.4	573.52	42.8	13.40
				1991						
310.7	279.0	31.7	10.2	January	281.7	53.9	37.2	566.95	42.5	13.34
309.6	276.2	33.4	10.8	February	280.0	52.9	36.2	561.26	42.2	13.30
315.2	278.4	36.8	11.7	March	280.4	50.1	33.5	549.87	42.2	13.03
318.2	285.6	32.6	10.2	April	285.7	53.1	36.5	570.97	42.2	13.53
308.8	289.4	19.4	6.3	May	288.9	53.4	36.8	570.88	42.1	13.56
315.2	290.9	24.3	7.7	June	292.1	58.3	41.6	586.18	41.9	13.99
318.4	287.6	30.8	9.7	July	282.9	53.9	37.2	577.82	42.3	13.66
INA	INA	INA	INA	August	283.7	54.6	37.9	590.98	43.2	13.68

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
292	74	12	62	1989	218	14	16	58	12	75	43
291	71	12	59	1990	219	15	15	57	12	77	44
				1990							
292	72	12	60	August	220	15	15	57	12	77	44
291	72	12	60	September	220	15	15	57	12	77	44
290	71	11	59	October	220	15	15	57	12	77	44
291	71	11	59	November	220	15	15	57	12	77	44
287	67	11	56	December	220	15	15	56	12	75	44
				1991							
287	66	11	55	January	221	15	15	56	12	78	44
285	65	11	54	February	220	15	15	56	12	78	43
283	62	11	51	March	221	15	15	56	12	79	44
286	65	11	53	April	221	15	15	56	12	79	44
287	65	11	54	May	222	15	15	56	12	79	44
291	70	11	58	June	222	14	15	56	12	80	44
286	65	11	54	July	221	14	15	56	12	80	43
287	65	11	54	August	221	14	15	56	12	80	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	283.7	282.9	288.4	.8	-4.7
Goods-Producing Industries[e]	67.1	66.3	73.3	.8	-6.2
Construction	12.3	12.2	12.6	.1	-.3
Manufacturing	54.6	53.9	60.4	.7	-5.9
Durable Goods[f]	39.0	38.9	45.1	.1	-6.2
Stone, Clay, and Glass Products	7.4	7.3	8.1	.1	-.8
Primary Metal Industries	2.9	3.0	3.3	-.1	-.4
Fabricated Metal Products	6.3	6.5	6.6	-.2	-.3
Metal Forgings and Stampings	2.4	2.5	2.4	-.1	.0
Industrial Machinery and Equipment	5.5	5.6	5.8	-.1	-.3
Transportation Equipment	9.6	9.3	14.4	.4	-4.8
Nondurable Goods[g]	15.6	15.0	15.3	.6	.3
Food and Kindred Products	4.2	3.6	3.8	.5	.3
Rubber and Miscellaneous Plastics Products	3.8	3.8	3.8	.0	.1
Service-Producing Industries	216.6	216.6	215.1	.0	1.5
Transportation and Public Utilities	14.8	14.7	14.9	.1	-.1
Transportation	10.0	9.9	10.1	.1	-.1
Communications, Electric, Gas Services	4.8	4.8	4.8	.0	.0
Wholesale Trade	15.0	15.2	15.4	-.1	-.3
Wholesale Trade-Durable Goods	9.8	9.8	10.0	.0	-.3
Wholesale Trade-Nondurable Goods	5.3	5.4	5.3	-.1	-.1
Retail Trade	56.6	56.5	57.5	.1	-.9
General Merchandise Stores	8.2	8.3	8.5	-.1	-.3
Finance, Insurance, and Real Estate	12.2	12.2	12.2	.0	-.1
Finance	6.2	6.2	6.2	.0	0
Insurance	3.7	3.8	3.8	-.1	0
Services	80.4	80.4	77.6	.0	2.8
Business Services	13.2	13.3	13.0	-.1	.2
Personnel Supply Services	5.2	5.2	4.9	.0	.3
Health Services	29.6	29.5	28.1	.1	1.5
Nursing and Personal Care Facilities	4.3	4.2	4.1	.0	.1
Hospitals	15.9	15.9	15.2	.0	.7
Engineering and Management Services	6.4	6.4	6.2	.0	.2
Government	37.6	37.6	37.5	.0	.1
Federal Government	2.4	2.4	2.6	.0	-.2
State Government	12.7	12.7	12.6	.0	.0
State Government Education[h]	8.3	8.7	8.2	-.3	.2
Local Government	22.5	22.6	22.3	.0	.3
Local Government Education	11.8	11.8	11.5	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

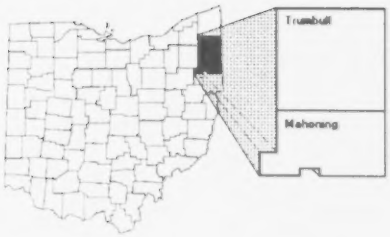
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$590.98	$577.82	$584.87	43.2	42.3	43.1	$13.68	$13.66	$13.57
Durable Goods[f]	588.59	576.45	596.67	42.9	42.2	43.3	13.72	13.66	13.78
Stone, Clay, and Glass Products	541.44	546.84	538.36	41.3	42.0	43.0	13.11	13.02	12.52
Primary Metal Industries	583.74	588.13	503.53	47.0	46.9	43.0	12.42	12.54	11.71
Fabricated Metal Products	579.80	516.94	549.32	44.6	40.8	46.2	13.00	12.67	11.89
Metal Forgings and Stampings	809.98	721.10	759.01	46.1	41.9	44.7	17.57	17.21	16.98
Industrial Machinery and Equipment	505.90	482.21	473.34	42.8	40.9	40.7	11.82	11.79	11.63
Transportation Equipment	743.39	763.52	760.19	41.6	42.3	42.9	17.87	18.05	17.72
Nondurable Goods[g]	597.08	582.43	548.69	44.0	42.7	42.6	13.57	13.64	12.88
Food and Kindred Products	775.66	799.42	664.76	50.4	48.1	45.5	15.39	16.62	14.61
Rubber and Miscellaneous Plastics Products	336.88	343.48	371.69	40.2	40.6	40.8	8.38	8.46	9.11
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	670.96	678.51	629.43	42.9	43.3	40.4	15.64	15.67	15.58
Wholesale Trade	419.89	430.12	416.80	39.5	39.9	40.0	10.63	10.78	10.42
Retail Trade[i]	172.53	177.93	166.12	27.0	27.5	27.1	6.39	6.47	6.13
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	352.55	357.02	352.93	.....	.....	.....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

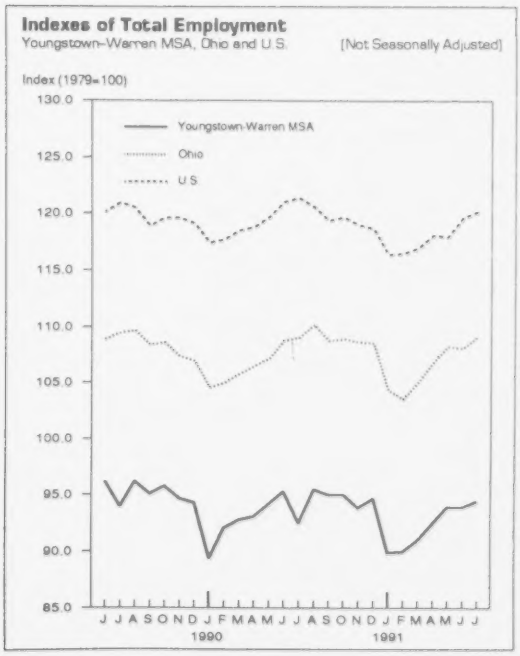
Youngstown-Warren Metropolitan Statistical Area

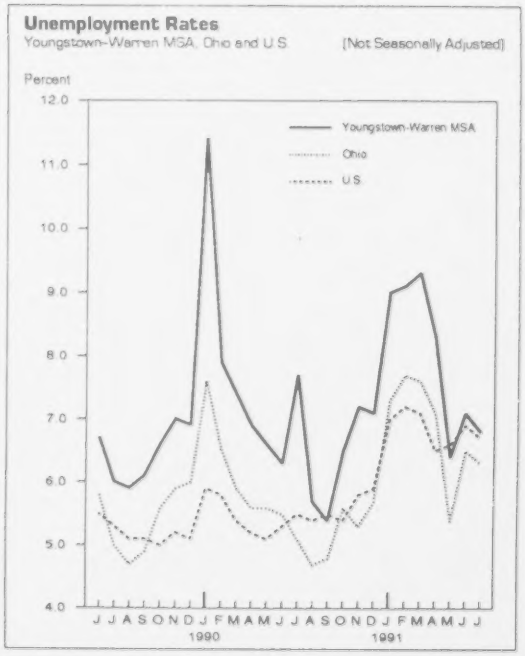


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 800 above the July level to 198,700 in August 1991. Improvements in durable-goods manufacturing, particularly primary metal industries, and modest gains in construction raised employment in goods-producing industries 1,000 over the month to 58,000. The workforce in service-producing industries decreased 200 due to nominal declines in services and local government. Manufacturing production workers averaged $15.25 per hour, up 11 cents from July. Their average workweek of 41.5 hours was 1.1 hours longer.

Nonfarm wage and salary employment advanced 600 between August 1990 and August 1991. Expansion in service-producing industries created 1,200 jobs. Growth in services more than offset decreases in transportation and public utilities and retail trade. Employment in goods-producing industries declined 600 from the year-ago level. Cutbacks among manufacturers of durable goods, especially industrial machinery and equipment and fabricated metal products, and reductions in construction outweighed gains in nondurable-goods manufacturing.

Seasonally adjusted employment in the Youngstown-Warren area was on par with July at 199,000 in August 1991. Scattered increases counterbalanced declines in manufacturing and government. Total nonfarm payroll employment was unchanged from the August 1990 level, although modest growth was posted in services.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	$409.77	39.9	$10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.2	208.4	14.9	6.7	1989	197.5	50.0	37.9	599.63	42.8	14.01
221.8	205.9	15.9	7.2	1990	197.7	48.0	35.6	625.98	42.7	14.66
				1990						
222.8	210.0	12.8	5.7	August	198.1	48.7	36.2	605.48	41.7	14.52
220.9	209.0	11.9	5.4	September	200.8	49.4	37.1	682.12	44.7	15.26
223.3	208.8	14.5	6.5	October	201.0	48.9	36.7	664.02	43.4	15.30
222.4	206.4	16.1	7.2	November	198.4	47.0	34.5	659.89	43.3	15.24
224.3	208.3	16.0	7.1	December	200.4	48.2	35.7	641.21	41.8	15.34
				1991						
217.4	197.8	19.6	9.0	January	192.7	46.3	34.0	655.19	42.6	15.38
217.8	197.9	19.9	9.1	February	193.7	47.5	35.2	645.54	42.0	15.37
220.6	200.0	20.6	9.3	March	194.5	47.0	34.8	651.42	42.3	15.40
221.8	203.4	18.4	8.3	April	196.4	47.6	35.4	627.06	41.2	15.22
220.7	206.7	14.0	6.4	May	199.3	47.9	35.7	629.41	41.3	15.24
222.5	206.7	15.8	7.1	June	200.4	48.3	36.1	658.32	42.2	15.60
223.0	207.8	15.2	6.8	July	197.8	47.9	35.6	611.66	40.4	15.14
INA	INA	INA	INA	August	198.7	48.6	36.3	632.88	41.5	15.25

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
197	58	8	50	1989	139	8	11	42	9	46	24
198	57	8	48	1990	141	7	11	42	8	48	24
				1990							
199	58	8	49	August	141	7	11	42	8	48	24
198	57	8	48	September	141	7	11	42	8	48	24
198	57	8	48	October	142	7	11	42	8	48	25
197	55	8	47	November	141	7	11	42	8	48	24
199	57	8	48	December	142	7	11	42	8	48	24
				1991							
198	56	8	48	January	142	7	11	42	8	48	24
198	56	8	48	February	142	7	11	42	8	48	24
197	55	8	47	March	142	7	11	42	8	48	24
197	56	8	48	April	141	7	11	42	8	49	24
197	56	8	47	May	141	7	11	42	8	49	24
197	56	8	47	June	142	7	11	42	8	49	25
199	58	8	50	July	142	7	11	42	8	49	25
199	57	8	49	August	142	7	11	42	8	49	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	198.7	197.8	198.1	.8	.6
Goods-Producing Industries[e]	58.0	56.9	58.6	1.0	-.6
Construction	9.0	8.7	9.4	.3	-.4
Manufacturing	48.6	47.9	48.7	.7	-.1
Durable Goods[f]	42.6	42.0	43.2	.6	-.6
Primary Metal Industries	18.3	17.7	18.4	.7	-.1
Blast Furnace and Basic Steel Products	6.5	6.4	6.4	.1	.1
Fabricated Metal Products	7.0	7.0	7.3	.0	-.3
Metal Forgings and Stampings	3.6	3.6	3.8	-.1	-.2
Industrial Machinery and Equipment	4.0	4.0	4.3	.0	-.4
Transportation Equipment	8.6	8.6	8.3	.0	.3
Nondurable Goods[g]	6.0	5.9	5.5	.1	.5
Service-Producing Industries	140.7	140.9	139.5	-.2	1.2
Transportation and Public Utilities	7.1	7.0	7.4	.1	-.3
Wholesale Trade	11.5	11.5	11.4	.0	.0
Wholesale Trade-Durable Goods	6.7	6.7	6.8	.0	-.1
Wholesale Trade-Nondurable Goods	4.8	4.8	4.7	.0	.1
Retail Trade	42.3	42.3	42.6	.1	-.3
General Merchandise Stores	5.3	5.3	5.6	.0	-.3
Finance, Insurance, and Real Estate	8.4	8.4	8.4	.0	.0
Finance	4.8	4.8	4.7	.0	.1
Services	49.6	49.7	48.0	-.2	1.6
Health Services	22.0	21.9	21.6	.1	.4
Nursing and Personal Care Facilities	5.1	5.1	5.1	.0	.1
Hospitals	10.8	10.8	10.7	.0	.1
Government	21.8	22.0	21.7	-.2	.1
State Government	3.3	3.4	3.5	.0	-.1
State Government Education[h]	1.8	1.9	1.9	-.1	-.1
Local Government	16.4	16.6	16.2	-.2	.2
Local Government Education	9.5	9.6	9.2	-.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

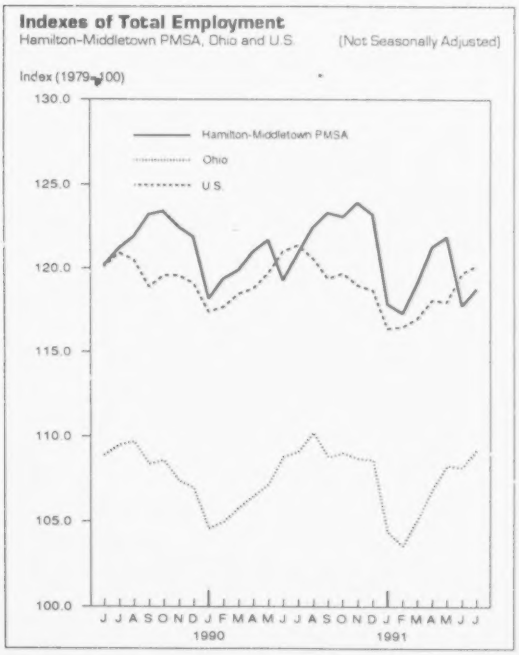
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$632.88	$611.66	$605.48	41.5	40.4	41.7	$15.25	$15.14	$14.52
Durable Goods[f]	654.04	630.59	621.98	41.5	40.5	41.8	15.76	15.57	14.88
Primary Metal Industries	693.45	654.05	685.95	41.9	40.2	42.5	16.55	16.27	16.14
Blast Furnace and Basic Steel Products	657.34	622.86	667.34	46.0	44.3	46.7	14.29	14.06	14.29
Fabricated Metal Products	644.70	635.65	589.11	42.0	41.6	41.9	15.35	15.28	14.06
Metal Forgings and Stampings	768.28	766.86	696.21	41.8	41.7	42.4	18.38	18.39	16.42
Industrial Machinery and Equipment	505.00	490.30	507.58	40.4	39.7	41.2	12.50	12.35	12.32
Transportation Equipment	721.41	705.74	678.40	41.2	40.7	42.4	17.51	17.34	16.00
Nondurable Goods[g]	445.26	437.63	440.23	41.0	38.9	40.8	10.86	11.25	10.79
Wholesale Trade	397.50	392.77	378.33	37.5	37.3	38.1	10.60	10.53	9.93
Retail Trade[i]	184.55	189.06	191.61	27.1	27.4	27.6	6.81	6.90	6.58
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	236.48	234.98	231.02	....	....	....	.....	.....	.....

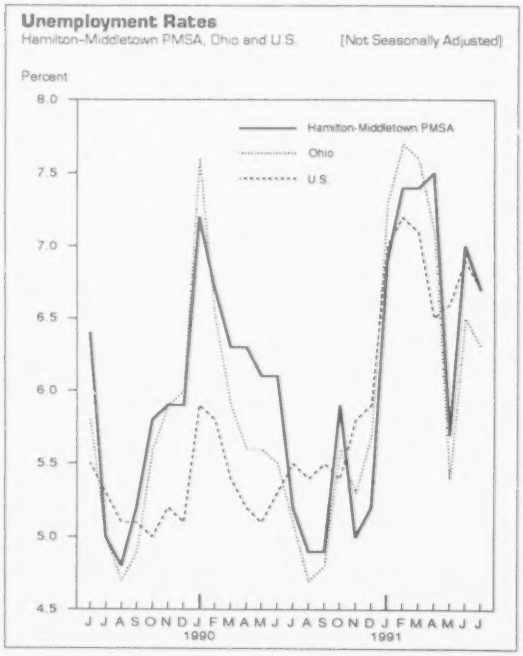
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Hamilton-Middletown Primary Metropolitan Statistical Area

Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area rose 900 above the July level to 93,800 in August 1991. Employment in goods-producing industries increased 600 over the month to 26,600 due to growth in manufacturing, especially primary metal industries and paper and allied products, and more business in construction and mining. Scattered gains raised employment in the service-producing sector 300. Manufacturing production workers averaged $15.02 per hour, down fractionally from July. Their average workweek of 45.2 hours was 1.2 hours shorter.

Nonfarm wage and salary employment dropped 700 between August 1990 and August 1991. Cutbacks among manufacturers of durable goods, particularly fabricated metal products and primary metal industries, and declines in construction and mining lowered employment in goods-producing industries 1,100. Service-producing industries added 400 jobs during the period as expansion in services, primarily health services, and in state and local government outweighed reductions in retail trade.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	130.8	130.1	131.0	.6	-.3
Employment	122.0	121.0	124.2	1.0	-2.2
Unemployment	8.8	9.1	6.8	-.3	2.0
Unemployment Rate	6.7	7.0	5.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	93.8	93.0	94.5	.9	-.7
Goods–Producing Industries	26.6	26.1	27.7	.6	-1.1
Construction and Mining	6.1	5.9	6.3	.2	-.2
Manufacturing	20.5	20.2	21.5	.4	-.9
Durable Goods	14.2	13.9	15.1	.2	-.9
Primary Metal Industries	6.3	6.2	6.6	.2	-.2
Fabricated Metal Products	2.3	2.3	2.6	.0	-.3
Industrial Machinery and Equipment	2.4	2.3	2.4	.0	.0
Nondurable Goods	6.4	6.3	6.4	.1	.0
Paper and Allied Products	4.5	4.4	4.6	.1	-.1
Paper Mills	3.2	3.2	3.4	.0	-.2
Service–Producing Industries	67.2	66.9	66.8	.3	.4
Transportation and Public Utilities	3.4	3.3	3.4	.1	.0
Wholesale Trade	5.9	6.0	5.9	-.1	.0
Wholesale Trade–Durable Goods	4.0	4.1	4.0	-.1	.0
Retail Trade	17.7	17.6	17.9	.1	-.3
Food Stores	3.4	3.5	3.5	.0	.0
Finance, Insurance, and Real Estate	4.5	4.5	4.6	.0	-.1
Services	20.6	20.6	20.2	.0	.4
Health Services	9.2	9.1	8.7	.0	.5
Government	15.1	15.0	14.8	.1	.3
State Government (Includes Education)	4.2	4.2	4.0	.1	.2
Local Government	10.2	10.1	10.1	.1	.1
Local Government Education	6.5	6.3	6.5	.3	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

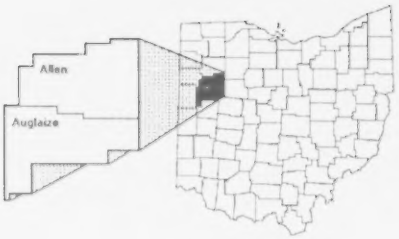
Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$678.90	$697.39	$636.96	45.2	46.4	45.4	$15.02	$15.03	$14.03
Durable Goods	710.45	733.35	657.10	45.6	47.1	45.6	15.58	15.57	14.41
Primary Metal Industries	844.19	886.60	775.66	49.6	52.0	48.6	17.02	17.05	15.96
Fabricated Metal Products	508.65	506.57	487.58	39.4	39.7	39.9	12.91	12.76	12.22
Industrial Machinery and Equipment	637.02	662.16	604.97	43.1	44.5	46.5	14.78	14.88	13.01
Nondurable Goods	598.03	605.22	583.34	44.2	44.6	44.7	13.53	13.57	13.05
Paper and Allied Products	640.79	643.11	607.26	46.3	46.3	45.9	13.84	13.89	13.23
Paper Mills	646.70	646.73	598.53	45.8	45.9	44.7	14.12	14.09	13.39
Wholesale Trade	424.36	449.03	439.32	40.3	40.2	42.0	10.53	11.17	10.46
Retail Trade[j]	179.58	187.81	177.56	27.5	28.2	28.5	6.53	6.66	6.23

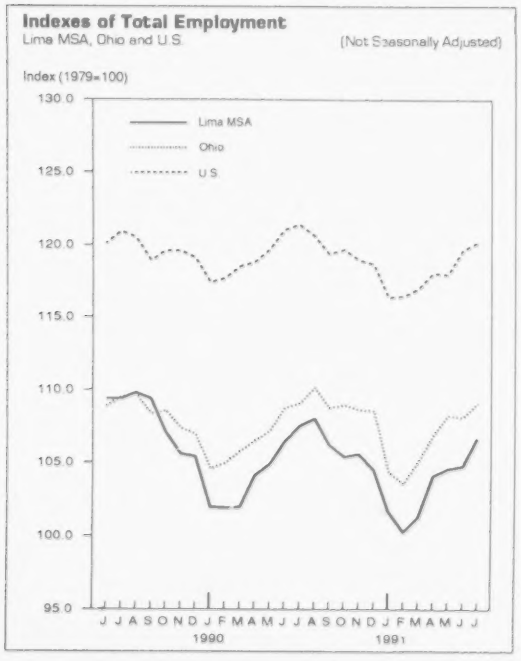
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

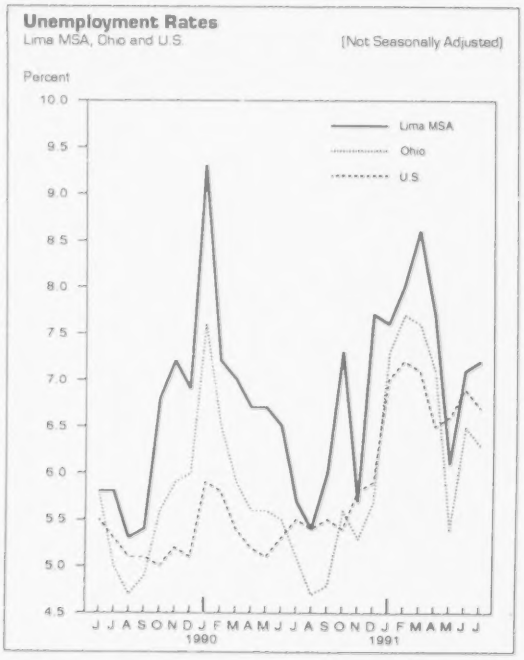
Lima Metropolitan Statistical Area



Nonagricultural payroll employment in the Lima metropolitan area rose 300 above the July level to 73,400 in August 1991. More business in services raised employment in service-producing industries 200. The workforce in goods-producing industries increased 100 over the month to 25,300 due to nominal gains in manufacturing. An improvement in transportation equipment counterbalanced a decrease in industrial machinery and equipment. Factory production workers averaged $13.93 per hour, up 12 cents from July. Their average workweek was 0.4 hours longer at 42.6 hours.

Nonfarm wage and salary employment was unchanged between August 1990 and August 1991. Employment in the service-producing sector advanced 800 mainly due to growth in services. Reductions in durable-goods manufacturing lowered employment in goods-producing industries 800 over the year. Cutbacks in industrial machinery and equipment and transportation equipment outweighed gains in food and kindred products and fabricated metal products. Construction employment declined slightly over the year.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	79.4	78.0	78.9	1.4	.6
Employment	73.7	72.4	74.3	1.3	-.6
Unemployment	5.7	5.6	4.5	.1	1.2
Unemployment Rate	7.2	7.1	5.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	73.4	73.1	73.4	.3	.0
Goods-Producing Industries	25.3	25.3	26.1	.1	-.8
Construction and Mining	3.5	3.5	3.6	.0	-.1
Manufacturing	21.8	21.8	22.5	.1	-.7
Durable Goods	15.0	15.0	15.9	.0	-.9
Fabricated Metal Products	2.6	2.6	2.5	.0	.1
Industrial Machinery and Equipment	3.8	3.9	4.2	-.1	-.4
Transportation Equipment	6.2	6.1	6.4	.1	-.2
Motor Vehicles and Equipment	3.6	3.5	3.3	.1	.3
Nondurable Goods	6.8	6.8	6.6	.0	.2
Food and Kindred Products	2.1	2.0	1.9	.0	.2
Rubber and Miscellaneous Plastics Products	2.1	2.0	2.1	.0	.0
Service-Producing Industries	48.1	47.8	47.2	.2	.8
Transportation and Public Utilities	3.2	3.2	3.1	.0	.1
Wholesale Trade	3.4	3.4	3.4	.0	-.1
Retail Trade	13.7	13.7	13.8	.0	-.1
General Merchandise Stores	2.0	2.1	2.1	-.1	-.1
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	16.4	16.2	15.5	.2	.9
Health Services	6.9	6.9	6.6	.0	.3
Hospitals	3.2	3.3	3.2	.0	.0
Government	9.3	9.3	9.3	.0	.0
Local Government	6.9	6.9	6.9	.0	.0
Local Government Education	3.6	3.6	3.6	0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

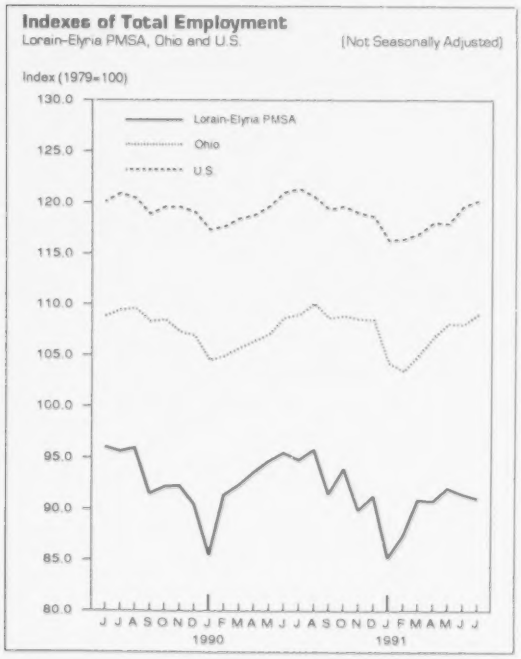
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$593.42	$582.78	$552.24	42.6	42.2	41.9	$13.93	$13.81	$13.18
Durable Goods	595.67	583.74	547.46	42.7	42.3	41.6	13.95	13.80	13.16
Fabricated Metal Products	388.83	379.13	373.50	41.9	41.3	41.5	9.28	9.18	9.00
Industrial Machinery and Equipment	469.86	491.57	441.16	38.2	39.9	38.8	12.30	12.32	11.37
Transportation Equipment	779.40	760.63	716.68	45.0	44.3	43.7	17.32	17.17	16.40
Motor Vehicles and Equipment	877.47	850.54	822.96	47.1	46.0	46.6	18.63	18.49	17.66
Nondurable Goods	586.70	582.24	565.35	42.3	42.1	42.7	13.87	13.83	13.24
Food and Kindred Products	393.34	407.89	375.65	41.8	43.3	41.1	9.41	9.42	9.14
Rubber and Miscellaneous Plastics Products	665.16	616.28	648.10	46.0	43.4	47.1	14.46	14.20	13.76
Wholesale Trade	366.34	377.51	368.17	38.2	38.6	37.8	9.59	9.78	9.74
Retail Trade[f]	197.60	194.49	186.60	30.4	30.2	30.0	6.50	6.44	6.22
General Merchandise Stores	181.82	185.90	176.68	27.3	28.6	28.0	6.66	6.50	6.31

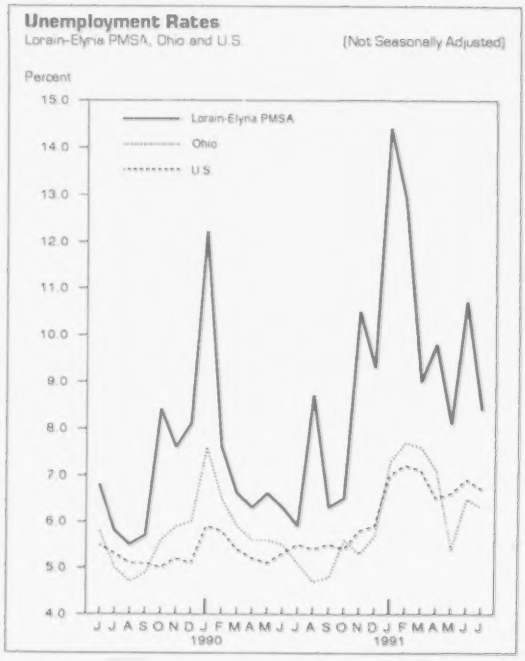
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Lorain-Elyria
Primary Metropolitan Statistical Area

Nonagricultural payroll employment in the Lorain-Elyria metropolitan area totaled 92,800 in August 1991, up 200 from July. Gains in durable-goods manufacturing, especially in transportation equipment and primary metal industries, and slight improvements in construction and mining raised employment in goods-producing industries 400 to 33,100. The workforce in the service-producing sector declined 200 over the month. Seasonal layoffs of nonteaching personnel in local schools outweighed growth in services and retail trade. Manufacturing production workers averaged $14.20 per hour, down fractionally from July. Their average workweek of 41.9 hours was 0.8 hours shorter.

Nonfarm wage and salary employment fell 1,600 between August 1990 and August 1991. Reductions in manufacturing lowered employment in goods-producing industries 1,200. Losses were posted in transportation equipment, fabricated metal products, and primary metal industries. Employment in service-producing industries declined 400 over the year. Decreases in local government and retail trade more than offset growth in services, particularly health services.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	118.7	122.3	120.2	-3.6	-1.5
Employment	108.7	109.1	113.1	-.4	-4.4
Unemployment	10.0	13.1	7.0	-3.2	2.9
Unemployment Rate	8.4	10.7	5.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	92.8	92.5	94.3	.2	-1.6
Goods-Producing Industries	33.1	32.7	34.3	.4	-1.2
Construction and Mining	5.3	5.1	5.2	.1	.1
Manufacturing	27.9	27.5	29.2	.3	-1.3
Durable Goods	23.3	23.0	24.5	.3	-1.2
Primary Metal Industries	4.3	4.1	4.4	.1	-.2
Fabricated Metal Products	3.8	3.8	4.1	.0	-.3
Transportation Equipment	7.8	7.6	8.5	.3	-.6
Nondurable Goods	4.5	4.5	4.6	.0	-.1
Service-Producing Industries	59.6	59.8	60.0	-.2	-.4
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	2.5	2.6	2.6	.0	.0
Retail Trade	16.6	16.5	16.9	.1	-.3
Finance, Insurance, and Real Estate	2.9	2.9	3.1	.0	-.1
Services	21.8	21.6	21.2	.2	.6
Health Services	8.7	8.6	8.3	.0	.4
Hospitals	3.9	3.9	3.9	.0	.0
Government	12.3	12.8	12.9	-.5	-.6
Local Government	9.9	10.5	10.5	-.5	-.6
Local Government Education	5.8	6.2	6.1	-.4	-.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

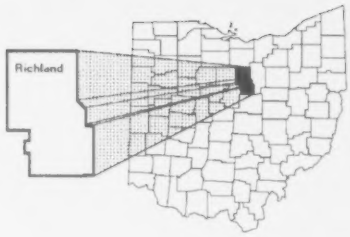
Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$594.98	$607.19	$579.58	41.9	42.7	42.9	$14.20	$14.22	$13.51
Durable Goods	626.25	641.52	612.05	42.2	43.2	43.5	14.84	14.85	14.07
Primary Metal Industries	641.27	639.00	640.01	43.3	42.6	44.6	14.81	15.00	14.35
Fabricated Metal Products	447.81	452.84	422.44	43.1	43.5	42.8	10.39	10.41	9.87
Transportation Equipment	778.89	808.64	733.85	42.4	43.9	43.5	18.37	18.42	16.87
Nondurable Goods	411.03	406.46	394.79	40.1	39.5	39.4	10.25	10.29	10.02
Wholesale Trade	379.71	376.05	365.74	38.2	38.1	37.9	9.94	9.87	9.65
Retail Trade[i]	175.69	176.31	169.73	26.7	27.0	27.2	6.58	6.53	6.24

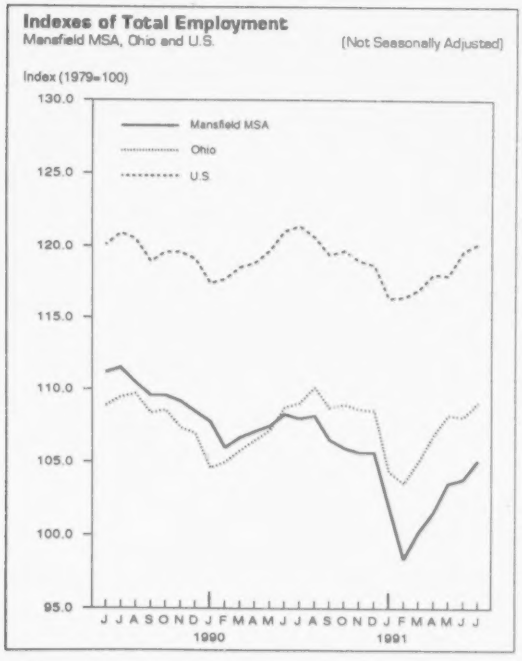
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

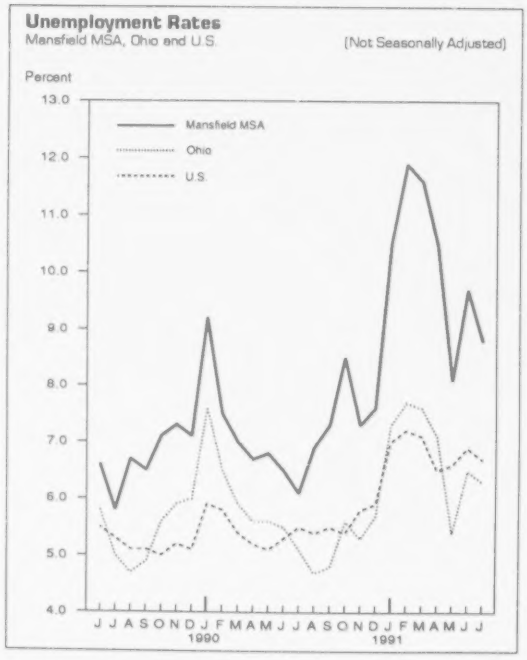
Mansfield Metropolitan Statistical Area



Nonfarm wage and salary employment in the Mansfield metropolitan area dropped 400 below the July level to 57,700 in August 1991. Production cutbacks among manufacturers of durable goods, especially fabricated metal products, lowered employment in goods-producing industries 400 to 19,000. Employment in service-producing industries was unchanged over the month. Manufacturing production workers averaged $14.02 per hour, up 9 cents from July. Their average workweek was 1.4 hours longer at 41.5 hours.

Nonagricultural payroll employment fell 1,700 between August 1990 and August 1991. Reductions in durable-goods manufacturing, particularly electronic and other electric equipment and fabricated metal products, lowered employment in goods-producing industries 1,500. Service-producing industries lost 200 jobs over the year. Declines in retail trade, transportation and public utilities, and wholesale trade outweighed growth in services and government.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	64.9	64.8	64.7	.1	.2
Employment	59.2	58.5	60.8	.6	-1.6
Unemployment	5.7	6.3	4.0	-.5	1.8
Unemployment Rate	8.8	9.7	6.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	57.7	58.2	59.4	-.4	-1.7
Goods-Producing Industries	19.0	19.4	20.5	-.4	-1.5
Construction and Mining	2.4	2.3	2.4	.0	0
Manufacturing	16.7	17.1	18.1	-.4	-1.4
Durable Goods	14.5	15.0	16.1	-.5	-1.6
Fabricated Metal Products	4.9	5.3	5.2	-.4	-.3
Electronic and Other Electric Equipment	2.4	2.5	3.0	.0	-.6
Nondurable Goods	2.2	2.1	2.0	.1	.2
Service-Producing Industries	38.7	38.7	38.9	.0	-.2
Transportation and Public Utilities	3.0	3.0	3.1	.0	-.1
Wholesale Trade	2.2	2.3	2.3	.0	-.1
Retail Trade	10.9	10.8	11.4	.0	-.5
Finance, Insurance, and Real Estate	2.3	2.2	2.3	.1	.0
Services	13.0	13.0	12.6	.0	.4
Health Services	4.5	4.5	4.5	.1	.1
Government	7.3	7.4	7.2	-.1	.2
Local Government	5.5	5.5	5.4	-.1	.1
Local Government Education	3.6	3.6	3.6	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

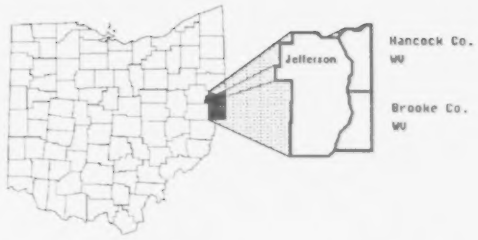
Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$581.83	$558.59	$558.07	41.5	40.1	41.4	$14.02	$13.93	$13.48
Durable Goods	603.28	574.45	575.23	40.9	39.4	41.0	14.75	14.58	14.03
Fabricated Metal Products	796.11	711.78	697.59	41.1	38.6	40.3	19.37	18.44	17.31
Electronic and Other Electric Equipment	400.75	383.25	452.64	39.6	37.5	41.0	10.12	10.22	11.04
Nondurable Goods	425.96	434.31	410.32	46.2	46.5	44.6	9.22	9.34	9.20
Wholesale Trade	346.36	337.79	340.94	40.7	40.6	40.3	8.51	8.32	8.46
Retail Trade[f]	173.75	180.91	168.75	27.8	28.4	27.0	6.25	6.37	6.25

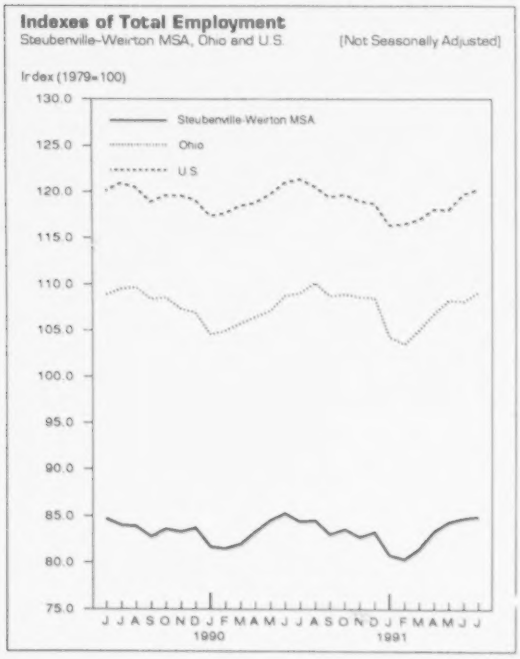
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

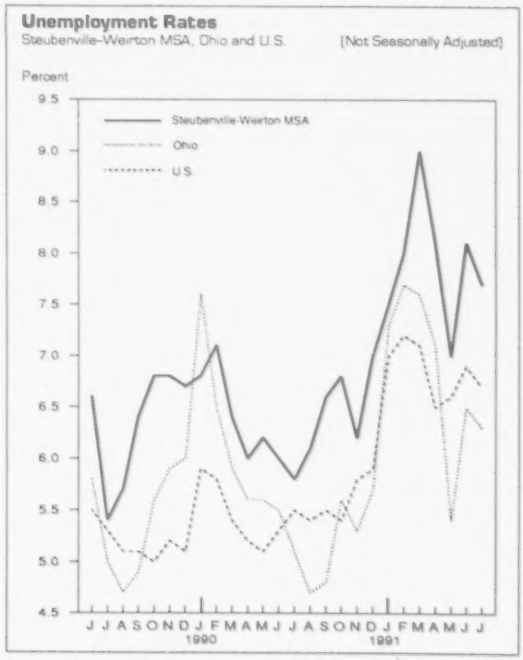
Steubenville-Weirton Metropolitan Statistical Area



Nonfarm wage and salary employment in the Steubenville-Weirton metropolitan area totaled 52,200 in August 1991, down 600 from July. Employment in goods-producing industries dropped 300 over the month to 20,500 due to cutbacks in manufacturing, especially primary metal industries, and decreases in construction employment. Declines in local government lowered employment in the service-producing sector 200. Manufacturing production workers averaged $12.56 per hour, down fractionally from July. Their average workweek of 43.0 hours was 0.3 hours shorter.

Nonagricultural payroll employment declined 100 between August 1990 and August 1991. The workforce in goods-producing industries lost 400 jobs over the year as reductions in durable-goods manufacturing, particularly primary metal industries, outweighed growth in construction. Expansion in services raised employment in service-producing industries 300.





Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1991[b]	Jun. 1991[c]	Jul. 1990[c]	From Last Month	From Last Year
Civilian Labor Force	58.3	58.4	56.7	-.1	1.6
Employment	53.8	53.7	53.4	.1	.4
Unemployment	4.5	4.7	3.3	-.2	1.2
Unemployment Rate	7.7	8.1	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	From Last Month	From Last Year
Total	52.2	52.8	52.2	-.6	-.1
Goods-Producing Industries	20.5	20.8	20.9	-.3	-.4
Mining	.8	.8	.8	.0	.0
Construction	2.8	2.9	2.3	-.1	.5
Manufacturing	16.8	17.1	17.7	-.3	-.9
Durable Goods	15.3	15.4	16.1	-.2	-.9
Primary Metal Industries	12.1	12.2	12.8	-.2	-.7
Nondurable Goods	1.6	1.7	1.6	-.1	.0
Service-Producing Industries	31.7	32.0	31.4	-.2	.3
Transportation and Public Utilities	3.1	3.1	3.1	.0	.0
Wholesale Trade	1.2	1.3	1.3	.0	.0
Retail Trade	9.0	9.0	8.9	.0	.1
General Merchandise Stores	1.3	1.3	1.4	.0	-.1
Finance, Insurance, and Real Estate	1.6	1.6	1.7	.0	.0
Services	11.0	11.0	10.5	.0	.5
Health Services	5.2	5.2	5.0	.0	.2
Hospitals	2.5	2.5	2.5	.0	.1
Government	5.7	6.0	5.9	-.2	-.1
Local Government	4.8	5.0	4.9	-.2	-.1
Local Government Education	2.8	2.9	2.8	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]	Aug. 1991[b]	Jul. 1991[c]	Aug. 1990[c]
Manufacturing	$540.08	$544.71	$513.77	43.0	43.3	44.1	$12.56	$12.58	$11.65
Durable Goods	559.87	566.35	540.00	43.3	43.7	45.0	12.93	12.96	12.00
Primary Metal Industries	604.61	605.98	573.16	44.1	44.2	46.0	13.71	13.71	12.46
Nondurable Goods	324.97	332.40	211.25	39.2	40.0	33.8	8.29	8.31	6.25
Wholesale Trade	318.40	321.20	334.31	39.8	39.9	39.1	8.00	8.05	8.55
Retail Trade[f]	176.75	175.34	167.96	28.1	28.1	27.9	6.29	6.24	6.02

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods-Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service-Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	August 1991	July 1991	August 1990
New Applicants	37,412	39,738	35,485
Applicants Active This Program Year	255,369	211,099	269,921
Counseling Interviews	1,074	1,057	822
Tests Administered	1,496	1,192	2,364
General Aptitude Tests	799	761	323
Proficiency Tests	402	264	352
Specific Aptitude Tests	0	0	0
Referrals to Jobs	23,409	29,188	25,126
Placements	5,537	7,432	6,645
Job Openings Received	INA	INA	INA
Job Openings Unfilled	18,035	16,380	20,772

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	August 1991	July 1991	August 1990
Initial Claims	66,694	72,749	53,806
Continued Claims	460,227	543,300	357,902
First Payments	26,711	25,620	20,544
Last Payments	10,636	11,499	6,732
Average Weekly Claimants	108,756	113,478	80,780
Average Weekly Benefit Recipients	94,414	95,818	68,993
Weeks Compensated	426,288	429,056	330,942
Benefits Paid	$72,832,883	$72,386,295	$55,074,257
Average Weekly Payment	$174.79	$172.80	$170.08
Continued Claims for Survey Week	103,087	118,536	77,517
Insured Unemployment Rate	2.3	2.4	1.8
Net Contributions	$118,445,479	$43,989,939	$138,938,763
Active Employer Accounts	208,973	208,437	207,219